ORDER NO. ACED050211C8

Service Manual

AUTOMOTIVE AFTERMARKET

CQ-C8351N
CQ-C8301N
CQ-C7301N

WMA MP3 CD Player/Receiver with Full Dot Matrix Display

(CQ-C8301N)

Specifications*

General	
Power Supply	DC 12V (11V - 16V), Test Voltage 14.4V Negative Ground
Tone Controls (Bass/Treble)	Bass: ±12dB at 60Hz Treble: ±12dB at 16kHz
Equalizer Center Frequency	60, 160, 400, 1k, 3k, 6k, 16k (Hz)
Variable Range of Equalizer	-12dB to 12dB (2dB step)
Current Consumption	Less than 2.2A (CD mode; 0.5W × 4-speaker)
Maximum Power Output	50W × 4(at 4Ω)
Speaker Impedance	4 - 8Ω
Pre-amp Output Voltage	
<CQ-C8351N,CQ-C8301N>	5V
<CQ-C7301N>	2.5V(CD mode)
Subwoofer Output Voltage	
<CQ-C8351N,CQ-C8301N>	5V
<CQ-C7301N>	2.5V(CD mode)
Pre-amp Output Impedance	
<CQ-C8351N,CQ-C8301N>	60Ω
<CQ-C7301N>	200Ω
Subwoofer Output Impedance	
<CQ-C8351N,CQ-C8301N>	60Ω
<CQ-C7301N>	200Ω
CD Player	
Sampling Frequency	8 Times Oversampling
Pick-up Type	Astigma 3-Beam
Light Source	Semiconductor Laser
Wave Length	790 nm
Frequency Response	20 Hz-20kHz (±1dB)
Signal to Noise Ratio	96dB
Total Harmonic Distortion	0.01% (1kHz)
Wow and Flutter	Below Measurable Limits
Channel Separation	75dB
FM Stereo Radio	
Frequency Range	87.5MHz - 108MHz
Usable Sensitivity	6dB/µV (S/N 30dB)
Stereo Separation	35dB (at 1kHz)
AM Radio(MW)	
Frequency Range	531kHz - 1,602kHz
Usable Sensitivity	28dB/µV (S/N 20dB)
AM Radio(LW)	
Frequency Range	153kHz - 279kHz
Usable Sensitivity	32dB/µV (S/N 20dB)
Dimensions (W×H×D)**	178×50×155mm
Weight**	1.6 kg

* Specifications and the design are subject to possible modification without notice due to improvements.

** Dimensions and Weight shown are approximate.

** Above specifications comply with EIA standards.

Panasonic

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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by ⚠ in the Schematic Diagrams, Circuit Board Diagrams, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire or other hazards. Do not modify the original design without permission of manufacturer.

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1 ABOUT LEAD FREE SOLDER (PbF)

Distinction of PbF PCB:

PCBs (manufactured) using lead free solder will have a PbF stamp on the PCB.

Caution :

- Pb free solder has a higher melting point than standard solder; Typically the melting point is 50 - 70°F (30 - 40°C) higher. Please use a soldering iron with temperature control and adjust it to 700 ± 20°F (370 ± 10°C). In case of using high temperature soldering iron, please be careful not to heat too long.
- Pb free solder will tend to splash when heated too high (about 1100°F/600°C)
- This lead free solder will be used for the products after serial No. 1,000,001.

2 FEATURES

- MP3/WMA Playback from CD-R/RW
- Fully Motorized Front Panel
- Innovated APM (Auto Preset Memory) method
- Six Preset Modes (FLAT, ROCK, POP, VOCAL, JAZZ, CLUB)
- SQ7 (7 Bands Sound Quality)
- CD Changer Control
- DVD Changer Control
- Customize the Display (Customize Function)
- Delightful sound space thanks to system buildup
- The difference among these models' are mentioned below.

The difference among these models' are mentioned below.

Features \ Models	CQ-C8351N	CQ-C8301N	CQ-C7301N
Subwoofer-output	5 V	5 V	2.5 V
Preout	5 V	5 V	2.5 V
CH/AUX-IN Cord *1	No	No	Yes
AUX1-IN Cord *2	Yes	Yes	No
CH/AUX2-IN Cord *1	Yes	Yes	No

*1 You can connect only one of a changer and other commercially available portable audio equipment.
*2 You can connect commercially available portable audio equipment and the like.

3 REPLACEING THE FUSE

Use fuses of the same specified rating 15 amps. Using different substitutes or fuses with higher ratings, or connecting the unit directly without a fuse, could cause fire or damage to the stereo unit.

4 MAINTENANCE

Your products is designed and manufactured to ensure a minimum of maintenance. Use a soft cloth for routine exterior cleaning. Never use benzine, thinner or other solvent.

5 NOTES

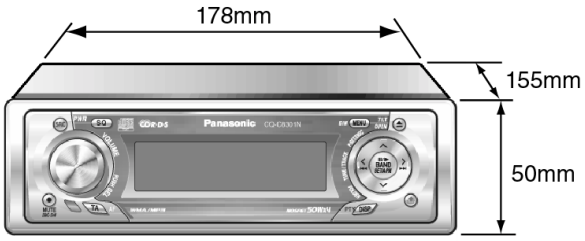
[RADIO BLOCK]

Do not align the AM/FM package block. When the package block is necessary, it will be supplied already aligned at the factory.

[CD DECK BLOCK]

This model has no servo alignment points because microcomputer controls the servo circuit

6 DIMENSIONS



(CQ-C8301N)

7 LASER PRODUCTS

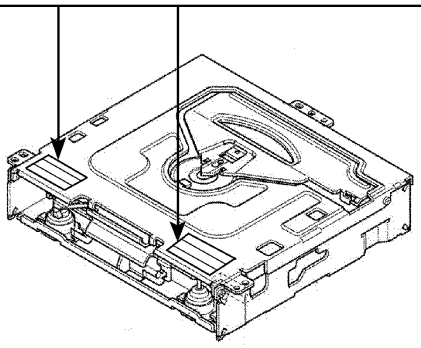
CAUTION:

This product utilizes a laser diode with the unit turned "on", laser radiation is emitted from the pickup lens.

Laser radiation from the pickup lens is safety level, but be sure the followings:

1. Do not disassemble the optical pickup unit, since radiation from exposed laser diode is dangerous.
2. Do not adjust the variable resistor on the pickup unit. It was already adjusted.
3. Do not look at the focus lens using optical instruments.
4. Recommend not to look at pickup lens for a long time.

DANGER! Visible and invisible laser radiation when open. Avoid direct exposure to beam.

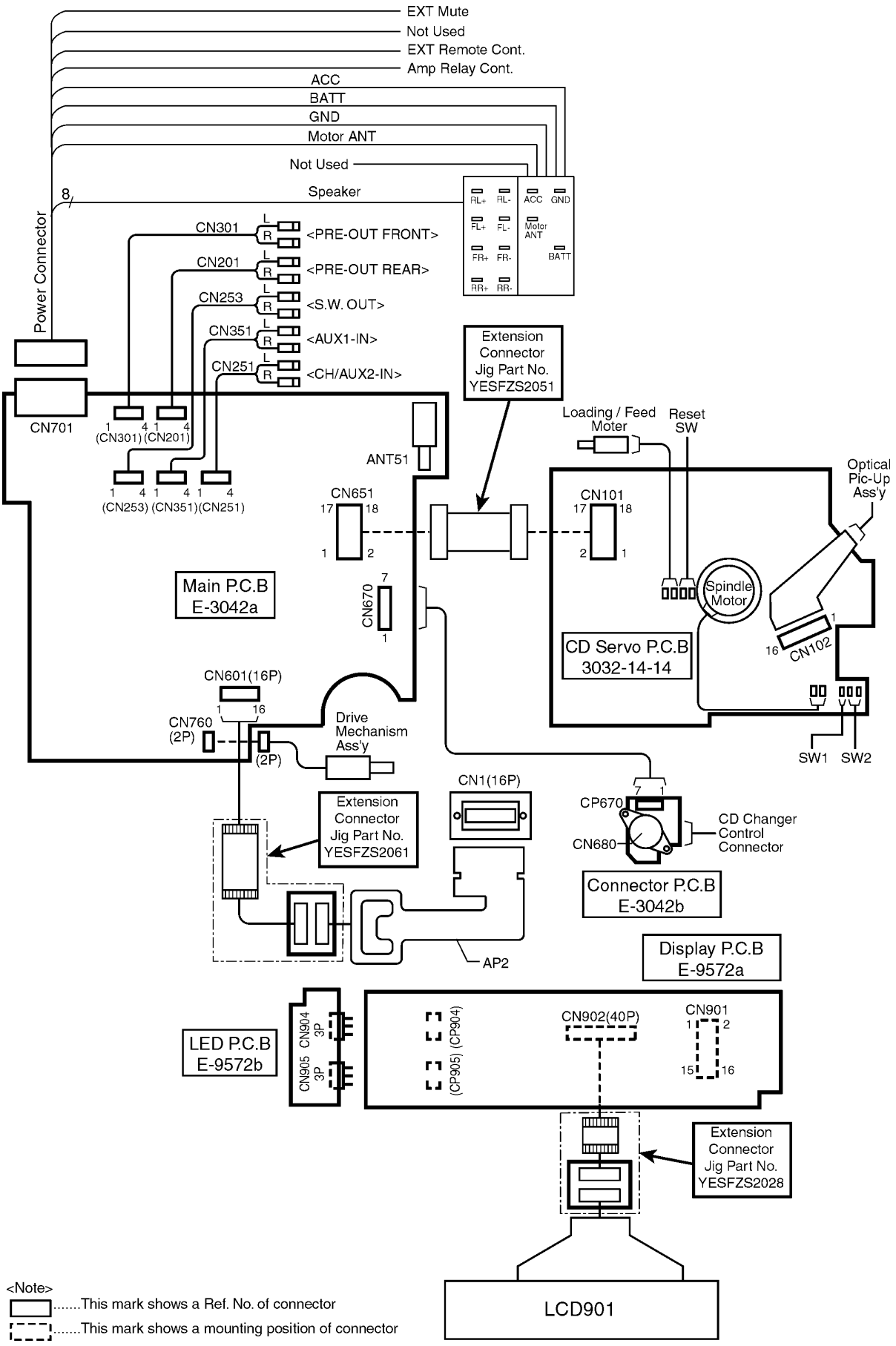


Deck Ass'y (Upper Side)

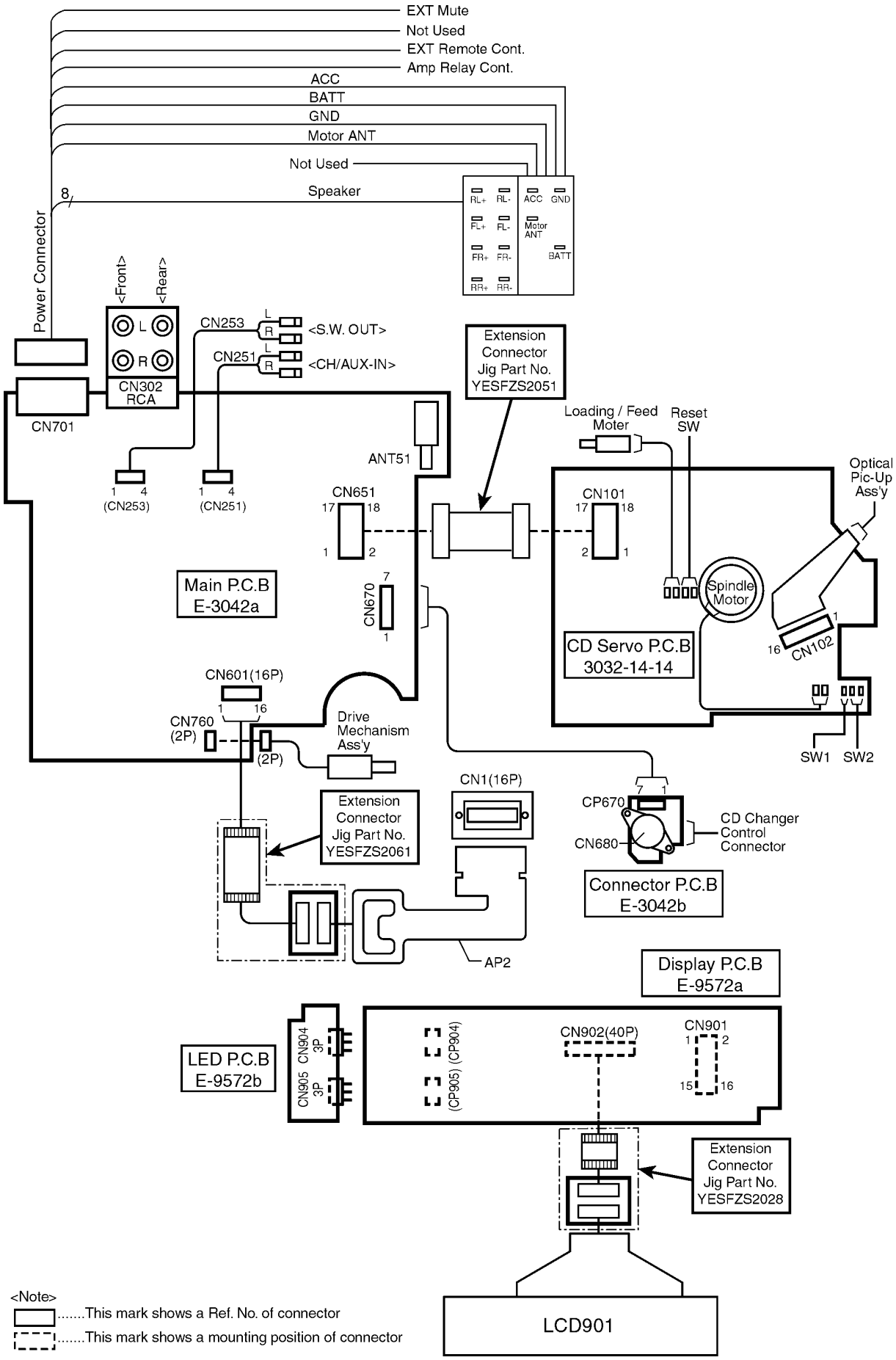
Caution
This Product utilizes a laser.
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

8 WIRING CONNECTION

8.1. CQ-C8351N/C8301N

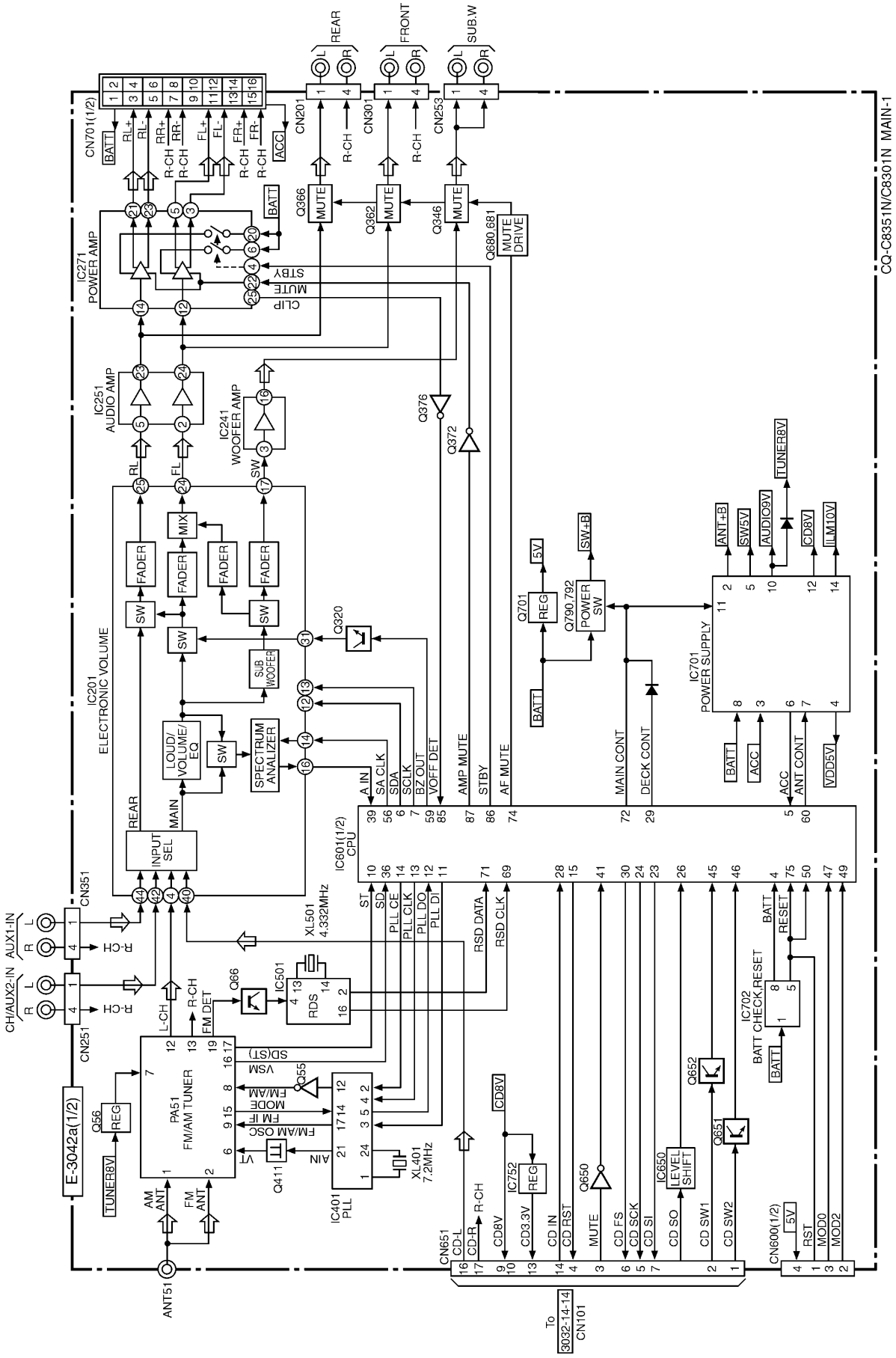


8.2. CQ-C7301N

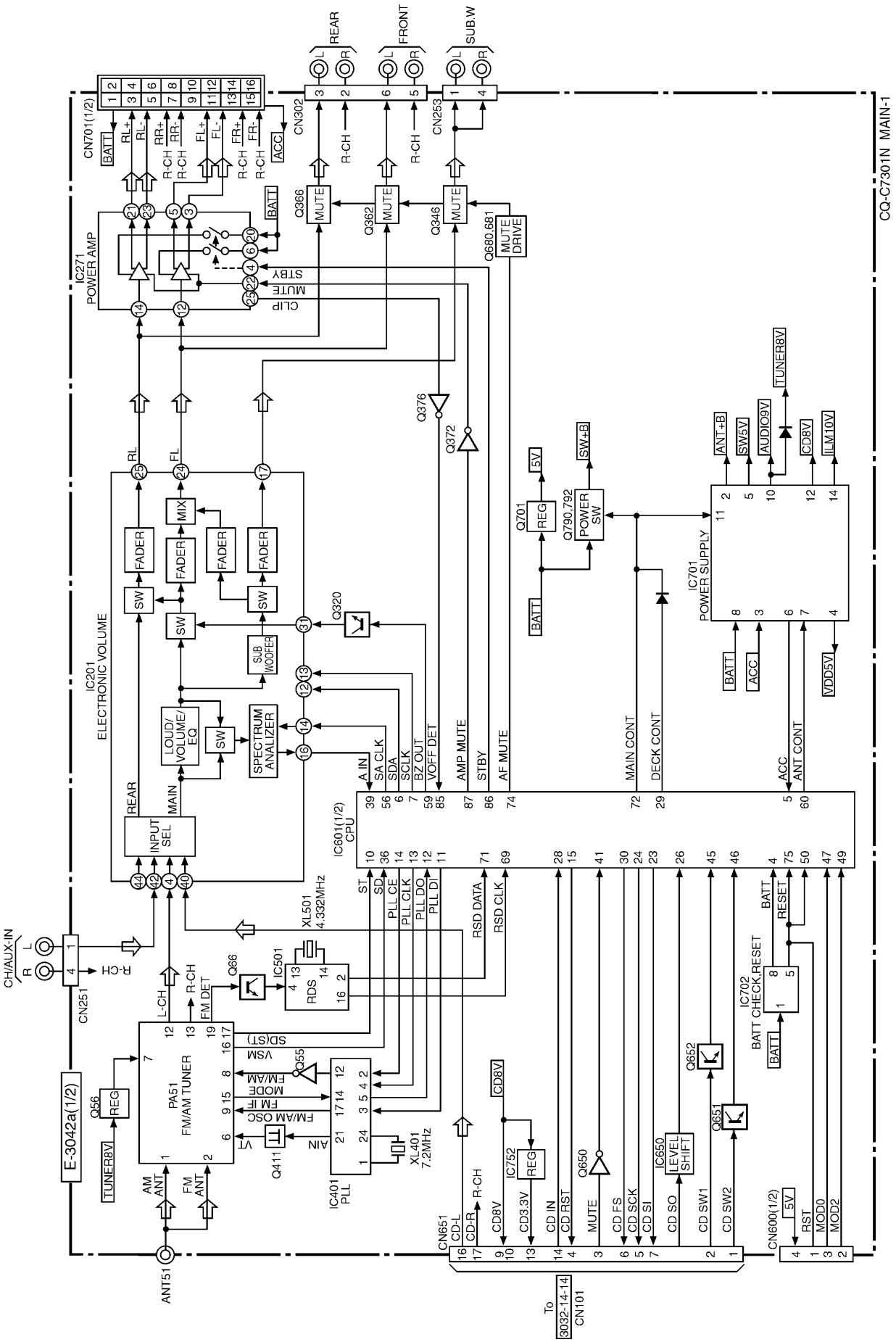

EXT Mute
Not Used
EXT Remote Cont.
Amp Relay Cont.
ACC
BATT
GND
Motor ANT
Not Used
Speaker
8
Power Connector
RL+ RL- ACC GND
FL+ FL- Motor ANT
FR+ FR- BATT
RR+ RR-
<Front>
<Rear>
L
R
CN302 RCA
CN701
CN253
<S.W. OUT>
CN251
<CH/AUX-IN>
1 4 (CN253)
1 4 (CN251)
Extension Connector Jig Part No. YESFZS2051
ANT51
Loading / Feed Moter
Reset SW
Optical Pic-Up Ass'y
CN651
17 18
1 2
CN101
17 18
2 1
Main P.C.B E-3042a
CN670
7
1
Spindle Motor
CD Servo P.C.B 3032-14-14
16 CN102 1
CN601(16P)
1 16
CN760 (2P)
(2P)
Drive Mechanism Ass'y
SW1 SW2
CN1(16P)
Extension Connector Jig Part No. YESFZS2061
CP670
7 1
CN680
CD Changer Control Connector
Connector P.C.B E-3042b
AP2
Display P.C.B E-9572a
LED P.C.B E-9572b
CN904 3P
CN905 3P
(CP904) (CP905)
CN902(40P)
CN901
1 2
15 16
Extension Connector Jig Part No. YESFZS2028
LCD901
<Note>
.....This mark shows a Ref. No. of connector
.....This mark shows a mounting position of connector

9 BLOCK DIAGRAM

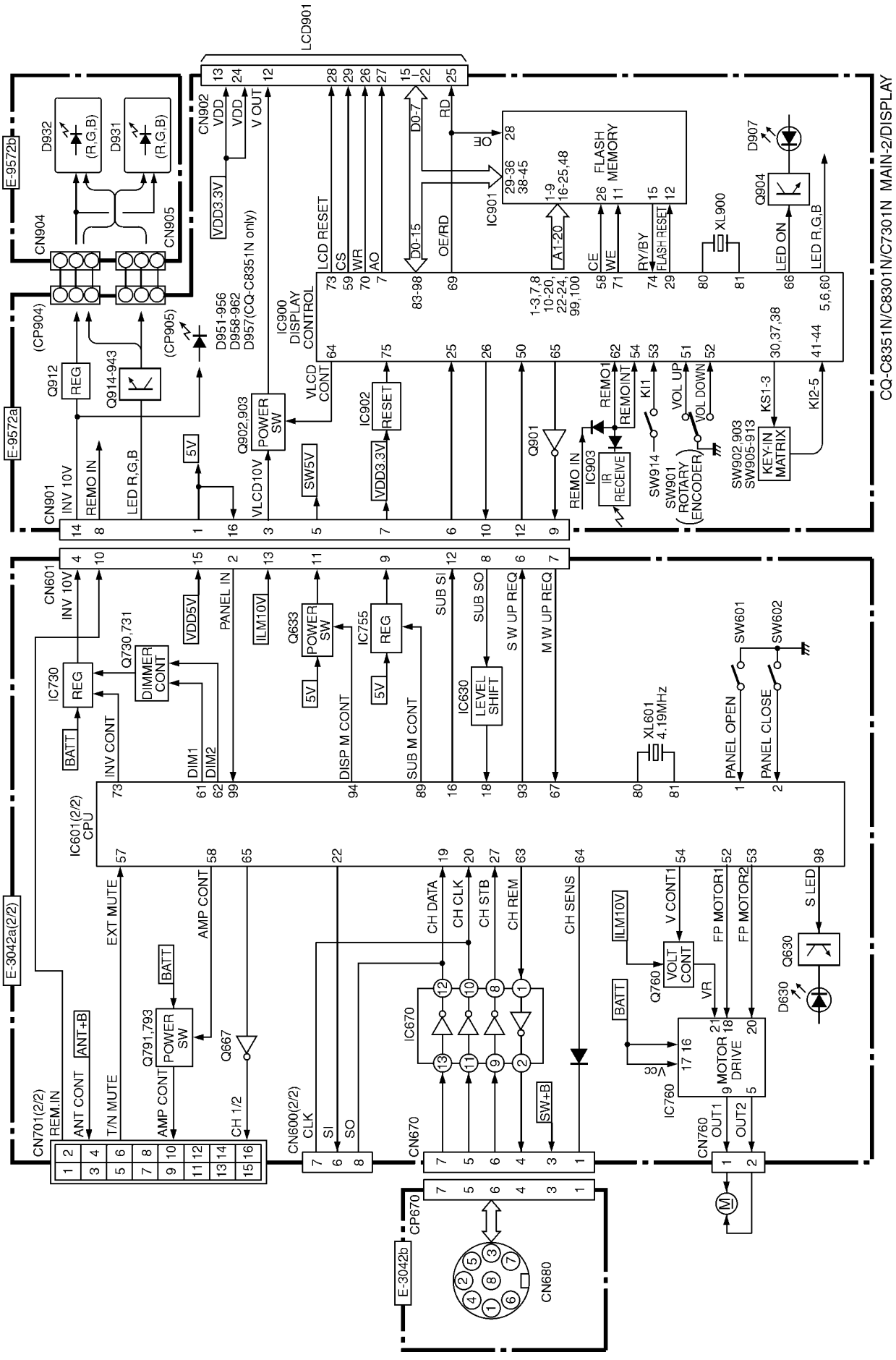
9.1. Main-1 Block [CQ-C8351N/C8301N]



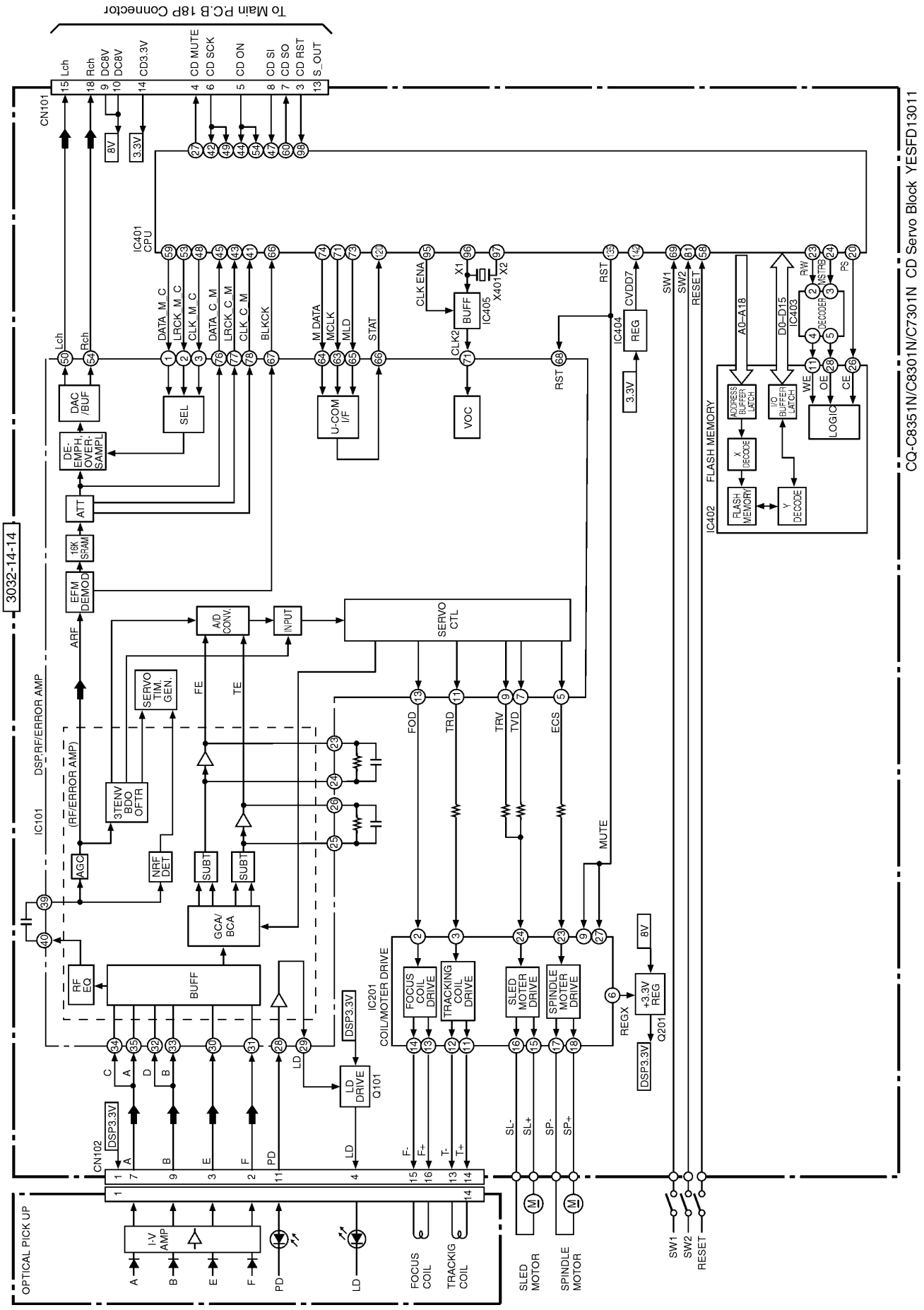
9.2. Main-1 Block [CQ-C7301N]



9.3. Main-2/Display/LED Block



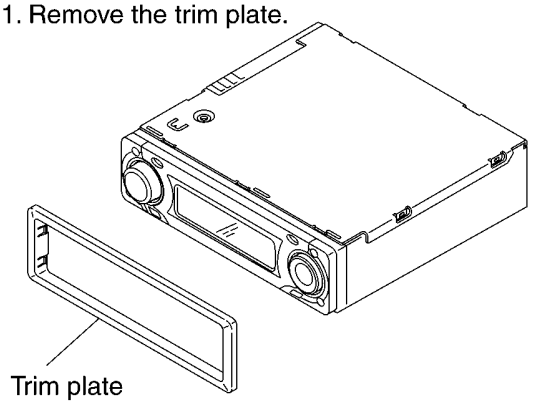
9.4. CD Servo Block



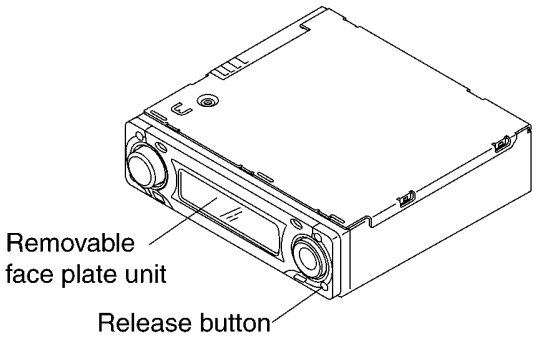
10 DISASSEMBLY INSTRUCTIONS

10.1. How to Remove the Flexible PCB(AP2)

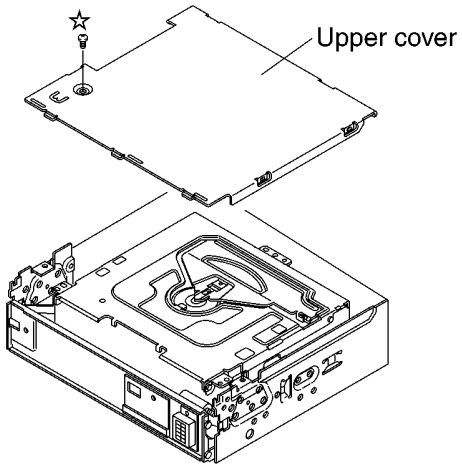
1. Remove the trim plate.



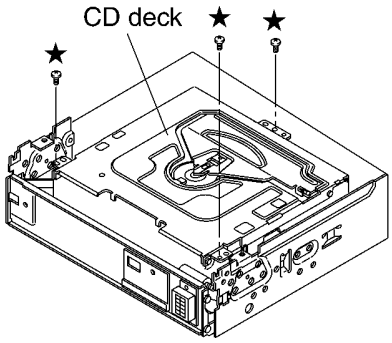
2. Remove the removable face plate unit by pressing the release button.



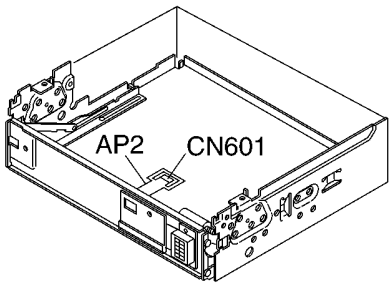
3. Remove the screw(☆) and take off the Upper cover.



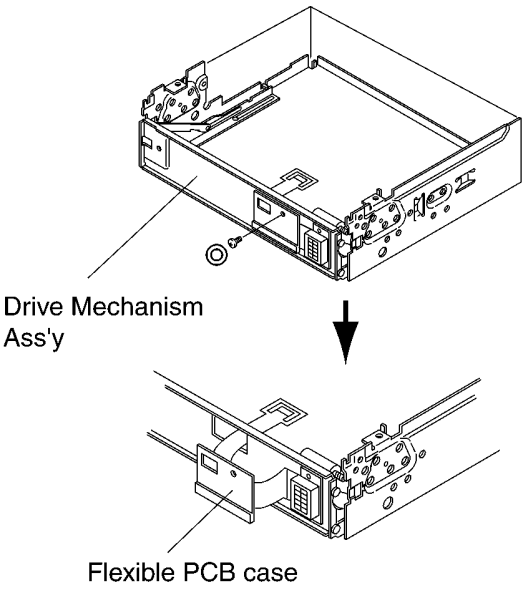
4. Remove the 3 screws(★) and take off the CD deck.



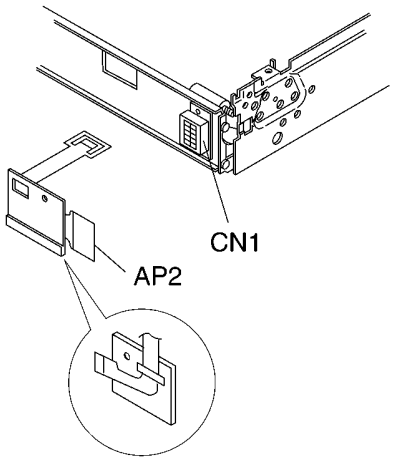
5. Remove the flexible PCB(AP2) from the CN601 (E-3042a).



6. Remove the screw(◎) from the Drive Mechanism Ass'y and remove the flexible PCB case.



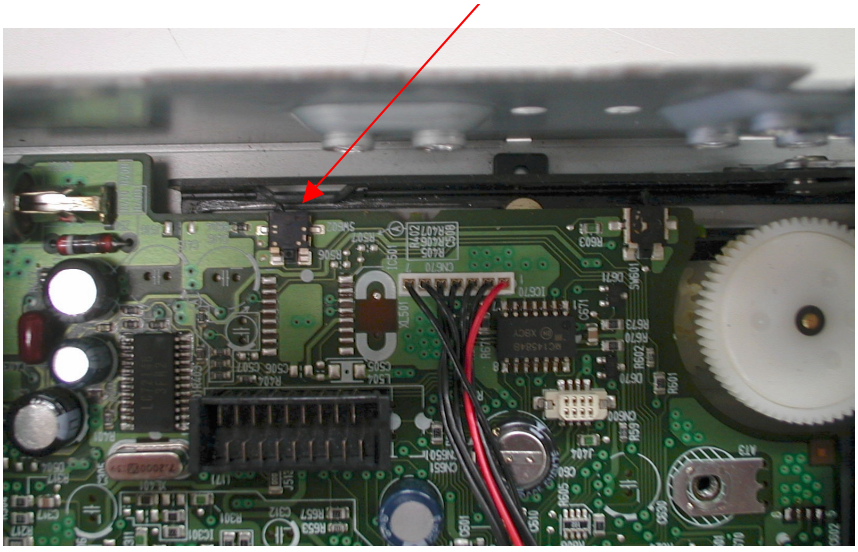
7. Remove the flexible PCB(AP2) from the CN1.



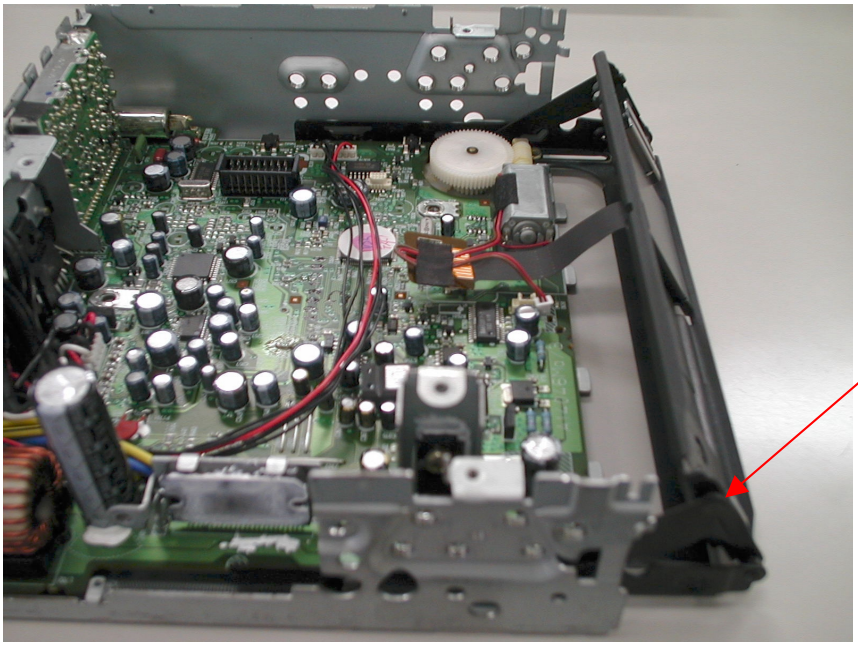
10.2. How to Install the Main P.C.B. of the Electric Display

Please install as shown below in order to prevent damages on the end detection switch of the slide mechanism.

If the main P.C.B is installed when the slide mechanism is not moved forward, the switch will hit the metal part and will be damaged.

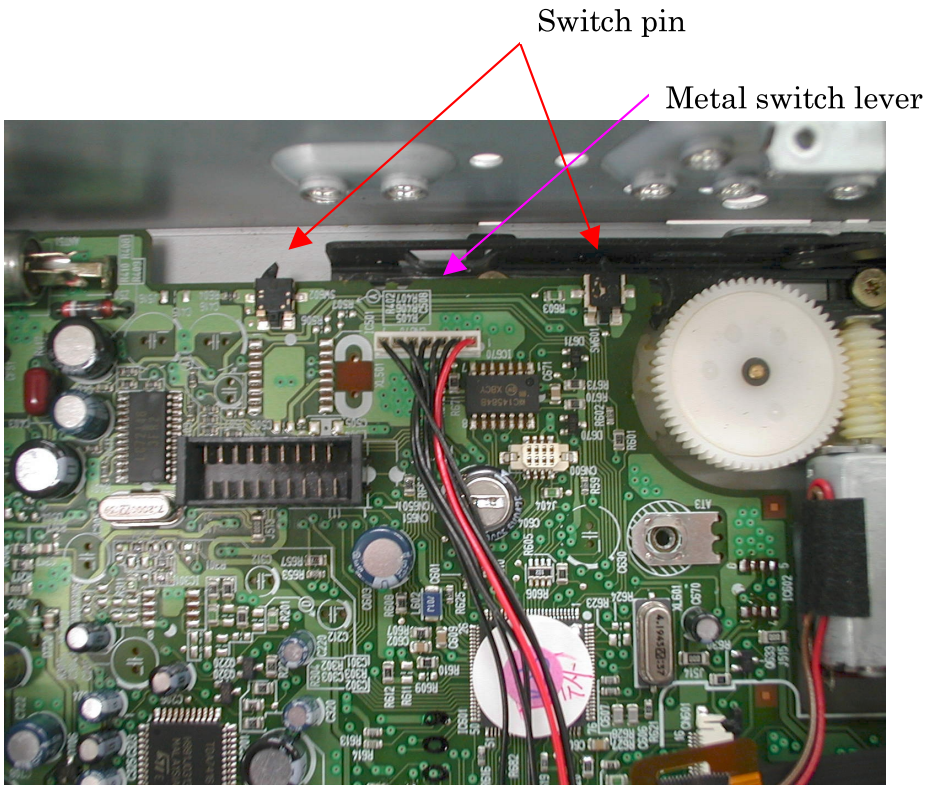


Move the front side by hand and install the main P.C.B. to the chassis when it is tilted 45 degrees.



When tilted 45 degrees

If the front side is tilted 45 degrees, the movable metal lever will not cling onto the switch pin.



11 TERMINALS DESCRIPTION

11.1. Main Block

IC601 : C2CBKG000018

Pin No.	Port	Description	(I/O)	(V)		
				FM	AM	CD
1	PANEL OPEN	PANEL OPEN detection	I	0	5.2	5.2
2	PANEL CLOSE	PANEL CLOSE detection	I	0	0	5.2
3	NC	No Connection	-	-	-	-
4	BATT	BATT detection	I	4.8	5	5
5	ACC	ACC detection	I	4.8	5	5
6	SDA	Electronic VOL data	I/O	4.9	4.9	4.9
7	SCK	Electronic VOL clock	O	4.9	4.9	4.9
8	NC	No Connection	-	-	-	-
9	Vss	Power supply GND	I	0	0	0
10	ST	FM ST detection	I	5.1	5.2	5.2
11	PLL DI(MO)	PLL data output	O	0.6	0	0
12	PLL DO(MI)	PLL data input	I	5.2	5.2	5.2
13	PLL CLK	PLL clock output	O	4.9	4.9	4.9
14	PLL CE	PLL chip enable output	O	0	0	0
15	CD RST	CD deck reset output	O	4.9	4.9	4.9
16	SUB SI	SUB u-com Data trans	SO	0.6	0.6	0.8
17	NC	No Connection	-	-	-	-
18	SUB SO	SUB u-com data recept	SI	4.4	4.4	4.4
19	CH DATA	CD Data recept/FLASH W SO	SI	1.6	1.6	1.6
20	CH CLK	CD clock transmit/FLASH W CLK	SCK	4.9	4.9	4.9
21	Vdd	Power supply	I	4.9	4.9	4.9
22	XM SI	CD Data transmit/FLASH W SI	S0	0	0	0
23	SD SI	-	-	-	-	-
24	CD SCK	Clock recept from Changer	SCK	0	0.4	0
25	CONDENSOR	Capacitor for power supply	-	3.3	3.3	3.3
26	CD SO	Data recept from Changer	SI	0	0	0
27	CH STB	Changer stororb signal input	INT	0	0	0
28	CD IN	DISC in detect	I	4.9	4.9	0.4
29	DECK V CONT	DECK power supply control output	O	4.9	4.9	4.9
30	CD FS	Strobe signal for CD communication	O	3.7	3.7	3.7
31	NC	No Connection	-	-	-	-
32	Avdd	Power supply of D/A converter	I	5.1	5.1	5.1
33	AVREF	Reference voltage for D/A converter	I	5.1	5.1	5.1
34	AVGND	Reference GND for D/A converter	I	0	0	0
35	AVSS	Grand for A/D and D/A converter	I	0	0	0
36	SD	FM/AM signal meter signal input	A/D	0.2	0	0.3
37	INIT A	Initializ A (CQ-C7401U)	A/D	0	0	0
38	INIT B	Initializ B	A/D	0	0	0
39	A IN	SPE.ANA A.IN	A/D	0	0	0
40	Vss	GND	I	0	0	0
41	CD MUTE	CD deck mute detection	I	0	0	5.1
42	NC	No Connection	-	-	-	-
43	NC	No Connection	-	-	-	-
44	NC	No Connection	-	-	-	-
45	CD SW1	CD disc in detection	I	-	-	-
46	CD SW2	CD disc in detection	I	-	-	-
47	MOD0	Operating mode input 0	I	5.1	5.1	5.1
48	MOD1	Operating mode input 1	I	5.1	5.1	5.1
49	MOD2	Operating mode input 2	I	0	0	0
50	H STANDBY	External standby input	I	5	5	5
51	NC	No Connection	-	-	-	-
52	FP MOTOR1	Front open/close control 1	O	4.9	5	4.9
53	FP MOTOR2	Front open/close control 2	O	4.9	5	4.9
54	V CNT1	Panel driving voltage control 1	O	0	0	5
55	V CNT2(NC)	No Connection	-	-	-	-
56	SA CLK	Control for Speana acquisition	O	5	5	4.9
57	EXT MUTE	TEL/NAVI MUTE input	I	5.3	5.2	5.2
58	AMP CONT	External AMP control	O	4.9	5	4.9
59	BZ-OUT	Buzzer output	PPG	0	0	0
60	ANT CONT	Motor antenna control	O	4.9	5	0
61	DIM1	Dimmer control output 1	O	0	0	0
62	DIM2	Dimmer control output 2	O	0	0	0
63	CDC REM OUT	Remote control code output to Changer	O	5	5	5
64	CDC SENS	CDC 1/2 detection	I	5.1	5.1	5.1
65	CDC 1/2	CDC 1/2 change output	O	0	0	0
66	NC	No Connection	-	-	-	-
67	M W UP	MAIN.WAKE.UP.REQ input	I	5	4.9	5
68	NC	No Connection	-	-	-	-
69	RDS CLK					
70	NC	No Connection	-	-	-	-
71	RDS DATA	-	-	-	-	
72	MAIN CONT	MAIN power supply control output	O	4.9	4.9	4.9
73	INV CONT	INV power supply control output	O	5	5	5
74	AF MUTE	Tr-MUTE control	O/I	5	5	5
75	RESET	Reset input	I	5	5	5
76	NC	No Connection	-	-	-	-
77	NC	No Connection	-	-	-	-
78	NC	GND	I	0	0	0
79	Vss	GND	I	0	0	0
80	X1	Crystal oscillator input	I	2	2	2
81	X2	Crystal oscillator output	O	2.5	2.5	2.5
82	Vdd	Power supply	I	5	5	5
83	P00	Pldaun port for writing	I	0	0	0
84	P01	Pull-up port for writing	I	5.1	5	5.1
85	VOFF DET	PWR-IC OFFSET detection	I	0	0	0
86	STBY	PWR-IC STBY control output	O	5	5	5
87	AMP MUTE	PWR-IC MUTE control output	O	0	0	0
88	ILL SENS	External dimmer control input	I	5	5	5
89	SUBM CNT	3.3V control for SUB microcomputer	O	5	5	5
90	NC	No Connection	-	-	-	-
91	NC	No Connection	-	-	-	-
92	NC	No Connection	-	-	-	-
93	S W UP	SUB.WAKE.UP.REQ	O	4.9	5	4.9
94	DISPM CNT	Power supply control output of display 5V	O/I	0	0	0
95	EJE ILL(NC)	No Connection	-	-	-	-
96	NC	No Connection	-	-	-	-
97	NC	No Connection	-	-	-	-
98	S LED	Security LED control output	O	0	0	5
99	PANEL IN	PANEL detect	I	5.2	5.2	5.2

Pin No.	Port	Description	(I/O)	(V)		
				FM	AM	CD
100	EP CS(NC)	No Connection	-	-	-	-

11.2. Display Block

IC900 C2CBJH000105

Pin No.	Port	Part Name & Description	I/O	(V)
1	A18	FLASH A17	O	1.5
2	A19	FLASH A18	O	1.7
3	A20	FLASH A19	O	1.3
4	NC	No Connection	-	-
5	LED.G	-	-	-
6	LED.B	-	-	-
7	A0	LCD driver data or command distinction	O	1.3
8	A1	FLASH A0	O	0.3
9	VSS	Ground potential	-	0
10	A2	FLASH A1	O	0.4
11	A3	FLASH A2	O	0.4
12	A4	FLASH A3	O	0.4
13	A5	FLASH A4	O	1.3
14	A6	FLASH A5	O	0.4
15	A7	FLASH A6	O	0
16	A8	FLASH A7	O	1.3
17	A9	FLASH A8	O	0
18	A10	FLASH A9	O	0
19	A11	FLASH A10	O	1.5
20	A12	FLASH A11	O	1.7
21	VCC	Positive power supply terminal	-	3.5
22	A13	FLASH A12	O	1.4
23	A14	FLASH A13	O	1.6
24	A15	FLASH A14	O	1.7
25	SUB SI/UP SO	MAIN-u-com communication data input and external flash rewritting	-	0.5
26	SUB SO/UP SI	MAIN-u-com communication data output and external flash rewritting	O	1.8
27	UP CLK	External flash rewritting switch	I	3.5
28	NC	No Connection	-	-
29	FLASH RESET	FLASH reset control output	O	3.5
30	KS1	Key scan signal 1 output	I	0
31	NC	No Connection	-	-
32	NC	No Connection	-	-
33	AVCC	Positive power supply for A/D converter	-	3.5
34	AVRH	A/D converter standard voltage input	-	3.5
35	AVSS/AVRL	A/D converter ground potential	-	0
36	TH DETECT	Temperature detection input	I	1.3
37	KS2	Key scan signal 2 output	I	0
38	KS3	Key scan signal 3 output	I	0
39	NC	No Connection	-	-
40	VSS	Ground potential	-	0
41	KI5	Key return signal 5 input	I	0
42	KI4	Key return signal 4 input	I	0
43	KI3	Key return signal 3 input	I	0
44	KI2	Key return signal 2 input	I	0
45	NC	FLASH writing program starter	I	0
46	NC	FLASH writing program starter	I	3.5
47	MD0	Mode setting terminal	I	3.5
48	MD1	Mode setting terminal	I	3.5
49	MD2	Mode setting terminal	I	0
50	S W U REQ	SUB-u-com wake up request	INT	3.0
51	ROTARY.1	Rotary encoder signal 1(VOL UP)	I	2.5
52	ROTARY.2	Rotary encoder signal 2 (VOL DOWN)	I	2.5

Pin No.	Port	Part Name & Description	I/O	(V)
53	KI1(SOURCE)	Key return signal 1	INT/I	0
54	REMO INT	Remote control signal interference	INT	3.7
55	NC	No Connection	-	-
56	NC	No Connection	-	-
57	NC	No Connection	-	-
58	FLASH CE	FLASH chip enable	O	3.4
59	LCD CS	LCD driver chip select	O	3.4
60	LER R	-	-	-
61	NC	No Connection	-	-
62	REMO 1	Remote control signal	I	3.7
63	NC	No Connection	-	-
64	VLCD CONT	VLCD 16V control	O	3.4
65	M W U REQ	MAIN-u-com wake up request	O	0
66	LED ON	P.LED control output	O	3.4
67	NC	No Connection	-	-
68	NC	No Connection	-	-
69	FLASH OE/ LCD RD	FLASH output enable and LCD driver lead strobe	O	3.4
70	LCD WR	LCD driver light strobe signal	O	3.4
71	FLASH WE	FLASH light enable signal	O	3.4
72	NC	No Connection	-	-
73	LCD RESET	LCD driver reset control	O	3.4
74	FLASH RY/BY	FLASH ready/busy input	I	3.4
75	/RST	System reset signal input	I	3.5
76	NC	No Connection	-	-
77	X1A(NC)	No Connection	-	-
78	X0A	Not used	I	0
79	VSS	Ground	-	0
80	X0	MAIN system clock input (12.5MHz)	I	1.3
81	X1	MAIN system clock output (12.5MHz)	O	1.5
82	VCC	Positive power supply	-	3.5
83	D0	FLASH D0/LCD D0	I	0.9
84	D1	FLASH D1/LCD D1	I	0.9
85	D2	FLASH D2/LCD D2	I	1.1
86	D3	FLASH D3/LCD D3	I	0.9
87	D4	FLASH D4/LCD D4	I	1.0
88	D5	FLASH D5/LCD D5	I	1.1
89	D6	FLASH D6/LCD D6	I	1.1
90	D7	FLASH D7/LCD D7	I	0.8
91	D8	FLASH D8	I/O	0.9
92	D9	FLASH D9	I/O	0.9
93	D10	FLASH D10	I/O	0.9
94	D11	FLASH D11	I/O	0.8
95	D12	FLASH D12	I/O	0.8
96	D13	FLASH D13	I/O	0.7
97	D14	FLASH D14	I/O	0.7
98	D15	FLASH D15	I/O	0.7
99	A16	FLASH A15	O	3.0
100	A17	FLASH A16	O	1.7

11.3. CD Servo Block

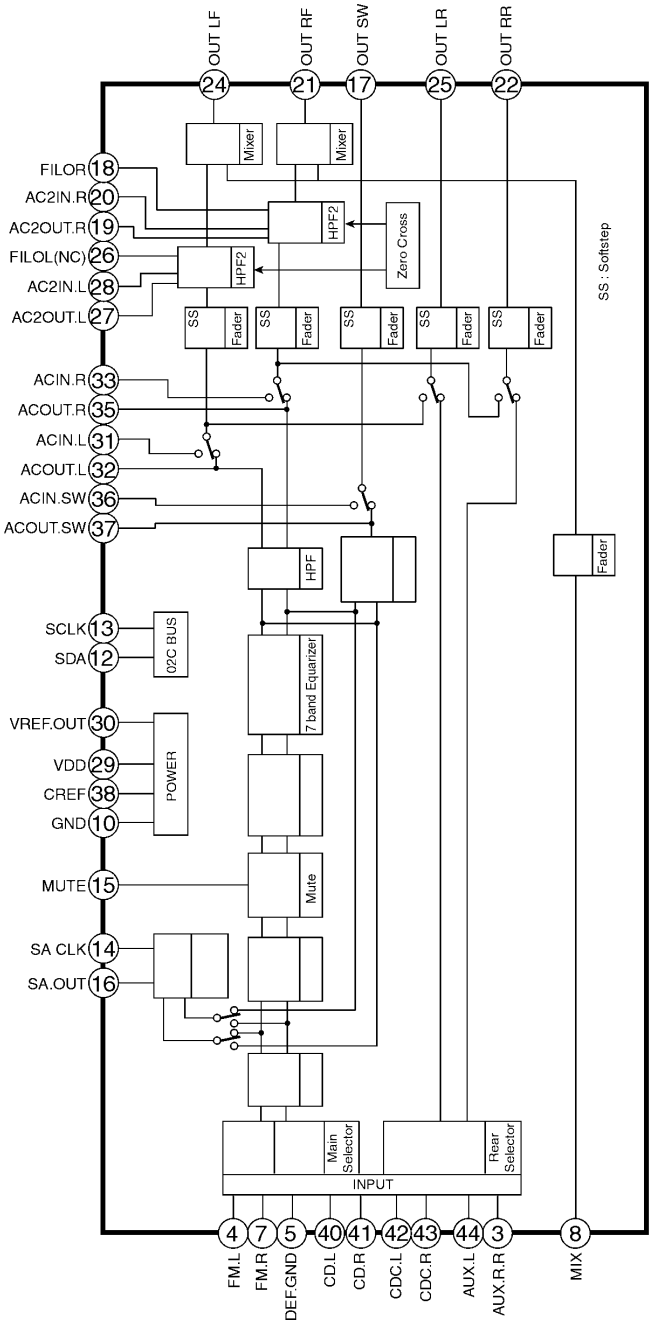
IC401 : YESAM275

Pin No.	Port	Descriptions	I/O	(V)
1	CVSS1	GND	-	0
2	A22	TP407	-	0
3	CVSS2	GND	-	0
4	DVDD1	I/O system (3.3V) power supply	-	3.1
5	A10	Address bus of FLASH ROM	O	3.1
6	HD7(NC)	No Connection	-	-
7	A11	Address bus of FLASH ROM	O	0
8	A12		O	3.1
9	A13		O	3.1
10	A14		O	3.1
11	A15		O	0
12	/CVDD1	CORE CPU system (1.6V) power supply	-	1.6
13	/HAS(NC)	No Connection	-	-
14	DVSS1	GND	-	0
15	CVSS3	GND	-	0
16	/CVDD2	I/O system (3.3V) power supply	-	1.6
17	/HCS(NC)	No Connection	-	-
18	HR/W(NC)	No Connection	-	-
19	READY	-	-	3.1
20	/PS	FLASH ROM selection signal	O	3.1
21	/DS(NC)	No Connection	-	-
22	/IS(NC)	No Connection	-	-
23	R/W	Lead/light signal to FLASH ROM	O	3.1
24	/MSTRB	Memory access signal	O	3.1
25	/IOSTRB (NC)	No Connection	-	-
26	/MSC	-	-	3.1
27	MUTE	Mute signal output (H:Mute on)	O	0
28	/HOLDA (NC)	No Connection	-	-
29	/IAQ(NC)	No Connection	-	-
30	/HOLD	-	-	3.1
31	BIO	SUBO input	I	0
32	MP/MC	Operation mode setting (external pull-up)	I	3.1
33	DVDD2	I/O system (3.3V) power supply	-	3.1
34	CVSS4	GND	-	0
35	BD R1	GND	I	0
36	BFSR1 (NC)	No Connection	-	-
37	CVSS5	GND	-	0
38	BCLKR1 (NC)	No Connection	-	-
39	HCNTL0 (NC)	No Connection	-	-
40	DVSS2	GND	-	0
41	CLK C M	AUDIO bit clock input	I	1.6
42	SCK	Clock input	I	3.0
43	LRCK C M	AUDIO L/R identifying signal input	I	1.6
44	CDFS	Serial frame sink signal input	I	2.4
45	DATA CM	AUDIO serial data input	I	1.6
46	HCNTL1 (NC)	No Connection	-	-
47	SI	Serial data input	I	0
48	CLK M C	AUDIO bit clock output	O	1.6
49	SCK	Clock input	I	3.0
50	CVSS6	GND	-	0
51	/HINT(NC)	No Connection	-	-
52	CVDD3	CORE CPU system (1.6V) power supply	-	1.6
53	LRCK M C	AUDIO L/R identifying signal output	O	1.5
54	CDFS	Serial frame sink signal input	I	2.4
55	HRDY(NC)	No Connection	-	-

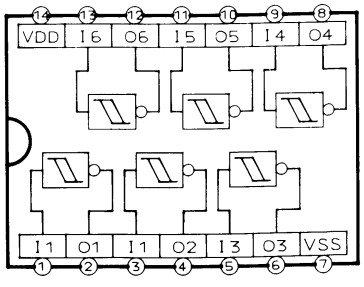
Pin No.	Port	Descriptions	I/O	(V)
56	DVDD3	I/O system (3.3V) power supply	-	3.1
57	DVSS3	GND	-	0
58	REST SW	Mechanics deck REST SW input	I	3.1
59	DATA M C	AUDIO serial data output	O	1.6
60	SO	Serial data output	O	1.1
61	/IACK(NC)	No Connection	-	-
62	HBL(NC)	No Connection	-	-
63	/NMI	-	-	3.1
64	/INT0	-	-	3.1
65	/INT1	-	-	3.1
66	BLKCK	Subcode block clock pulse input	I	0
67	/INT3	-	-	3.1
68	CV DD4	CORE CPU system (1.6V) power supply	-	1.6
69	SW1	Mechanics deck SW1 input	I	0
70	CVSS7	GND	-	0
71	MCLK	Clock output (To Servo DSP)	O	3.1
72	DVSS4	GND	-	0
73	MLD	Command load signal output (To Servo DSP)	I	3.1
74	MDATA	Command data output (To Servo DSP)	O	3.1
75	DVDD4	I/O system (3.3V) power supply	-	3.1
76	DVSS5	GND	-	0
77	CLK MD1	Clock mode setting (L fixation)	I	0
78	CLK MD2	Clock mode setting (H fixation)	I	3.1
79	CLK MD3	Clock mode setting (L fixation)	I	0
80	HPI60 (NC)	No Connection	-	-
81	SW2	Mechanics deck SW2 input	I	0.2
82	TOUT(NC)	No Connection	-	-
83	EMU0	-	-	3.1
84	EMU/OFF	-	-	3.1
85	TDO	-	-	0
86	TDI	-	-	3.1
87	/TRST	-	-	0
88	TCK	-	-	3.1
89	TMS	-	-	3.1
90	CVSS8	GND	-	0
91	CVDD5	CORE CPU system (1.6V) power supply	-	1.6
92	HPIENA	GND	I	0
93	DVSS6	GND	-	0
94	CLKOUT	No Connection	-	-
95	CLKENA	Oscillation output Cainabl signal	O	0
96	X1	Crystal Connection	O	0.7
97	X2/CLKIN	Crystal Connection	I	1.0
98	RS	Reset signal input	I	3.1
99	D0	Data base of FLASH ROM	I/O	0
100	D1		I/O	0
101	D2		I/O	0
102	D3		I/O	0
103	D4		I/O	0
104	D5		I/O	0
105	A16	Address bus of FLASH ROM	O	3.1
106	DVSS7	GND	-	0
107	A17	Address bus of FLASH ROM	O	3.1
108	A18	Address bus of FLASH ROM	O	0
109	A19	TP419	O	0
110	A20	TP416	O	0
111	CVSS9	GND	-	0
112	DVDD5	I/O system (3.3V) power supply	-	3.1
113	D6	Data bus of FLASH ROM	I/O	0
114	D7		I/O	0
115	D8		I/O	0
116	D9		I/O	0
117	D10		I/O	0
118	D11	Data bus of FLASH ROM	I/O	0
119	D12		I/O	0
120	STAT	Status signal input	I	3.0
121	D13	Data path of FLASH ROM	I/O	3.1
122	D14		I/O	0
123	D15		I/O	0
124	HD5(NC)	No Connection	-	-
125	CVDD6	CORE CPU system (1.6V) power supply	-	1.6
126	CVSS10	GND	-	0
127	/HDS1(NC)	No Connection	-	-
128	DVSS8	I/O system (3.3V) power supply	-	0
129	/HDS2(NC)	No Connection	-	-
130	DVDD6	I/O system (3.3V) power supply	-	3.1
131	A0	Address bus of FLASH ROM	O	3.1
132	A1		O	0
133	A2		O	0
134	A3		O	0
135	/RST	Reset signal output(To Servo DSP)	O	3.1
136	A4	Address bus of FLASH ROM	O	0
137	A5		O	3.1
138	A6		O	3.1
139	A7		O	0
140	A8		O	3.1
141	A9		O	3.1
142	CVDD7	CORE CPU system (1.6V) power supply	-	1.6
143	A12	TP406	-	0
144	DVSS9	GND	-	0

12 IC BLOCK DIAGRAM

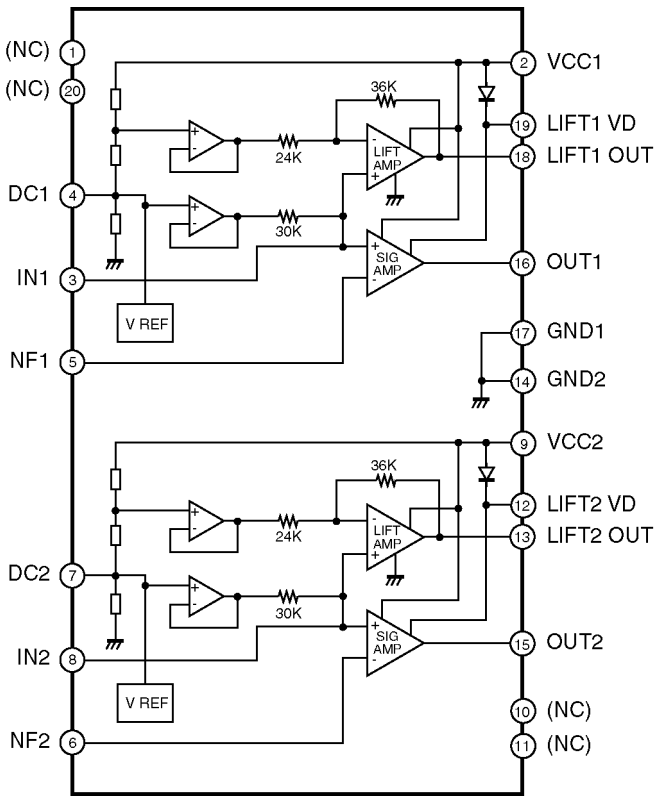
12.1. Main Block



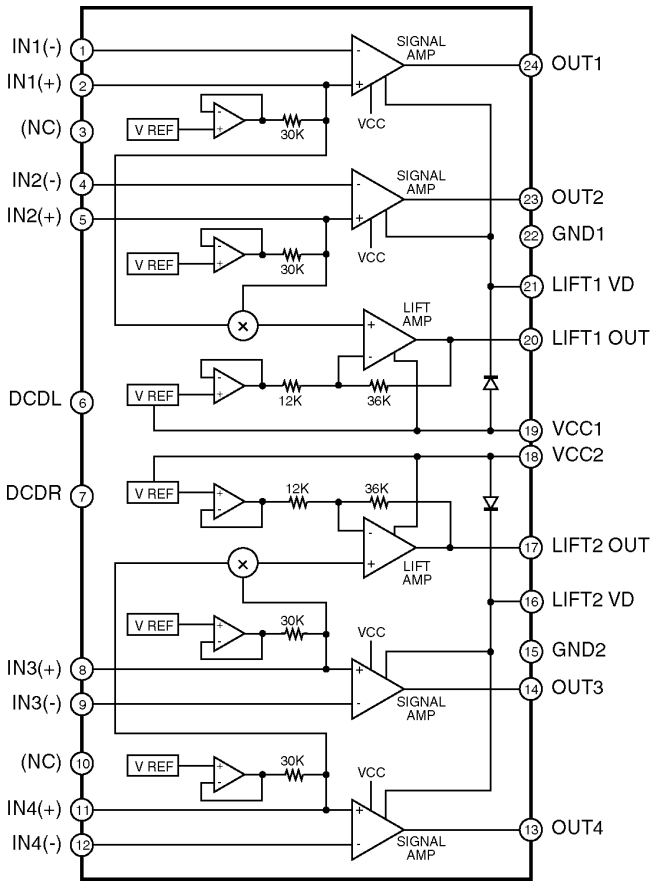
IC201 : C1BB00000796



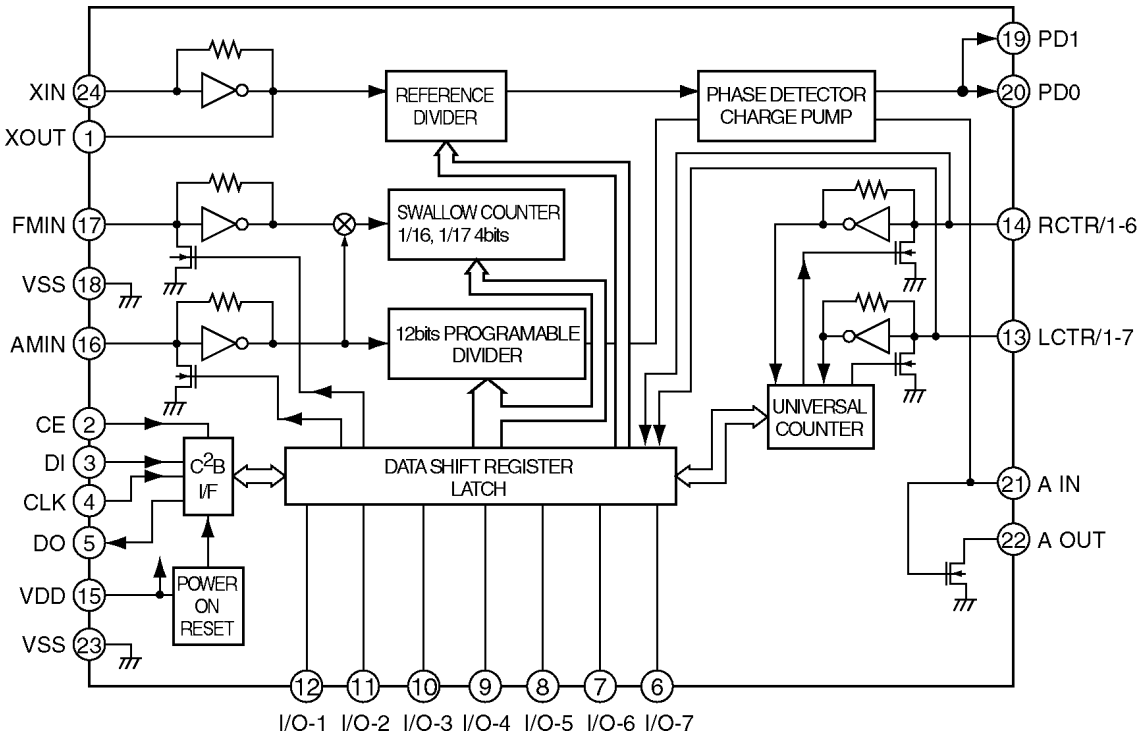
IC670 : YEAMC14584BE



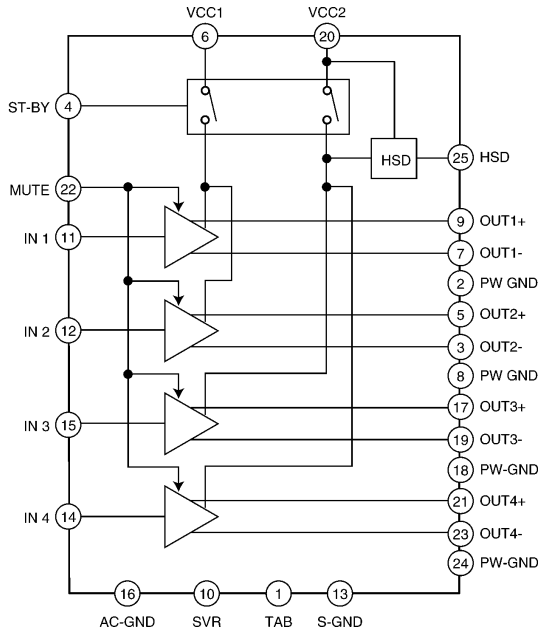
IC241 : C1BB00000650 (CQ-C8351N/C8301N)



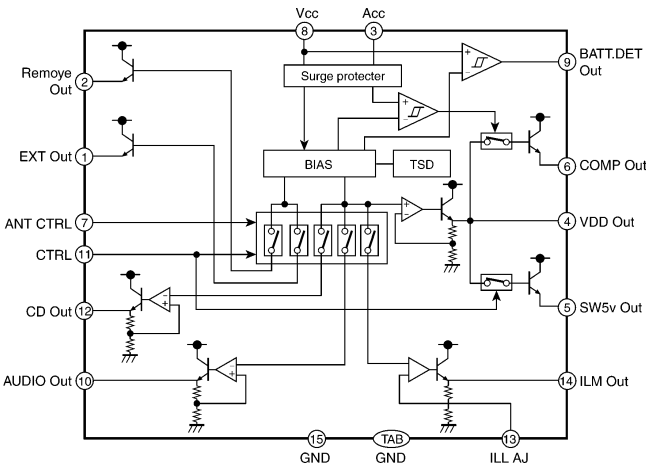
IC251 : C1BB00000649 (CQ-C8351N/C8301N)



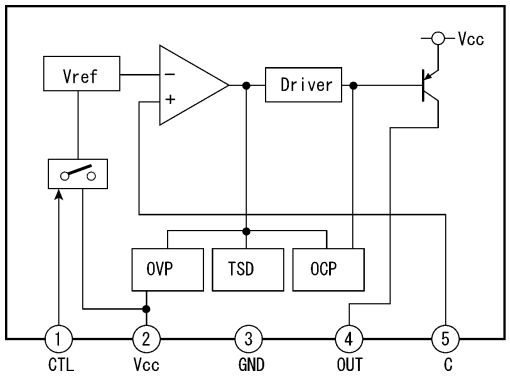
IC401 : C1BB00000644



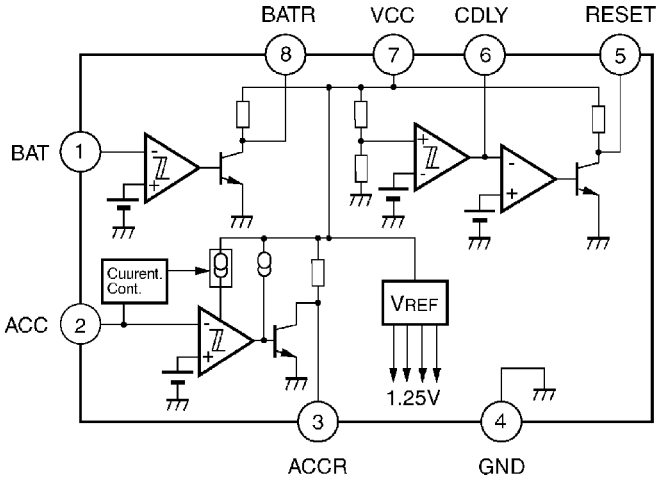
IC271 : C1EA00000043



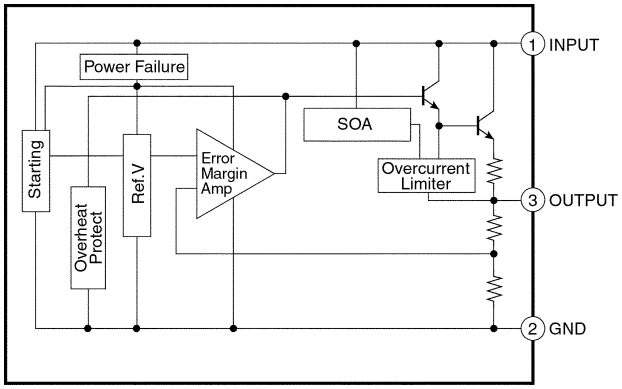
IC701 : C0DAZHF00004



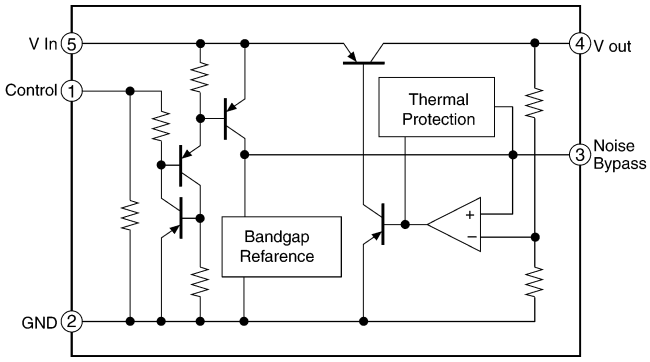
IC730 : C0DAEKG00002



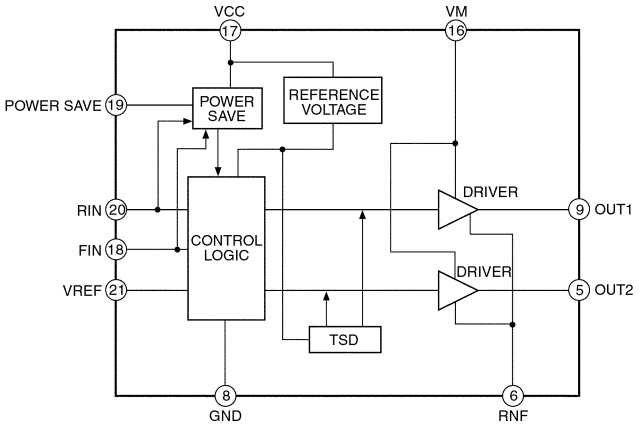
IC702 : AN8065SE1



IC752 : C0CAABG00012

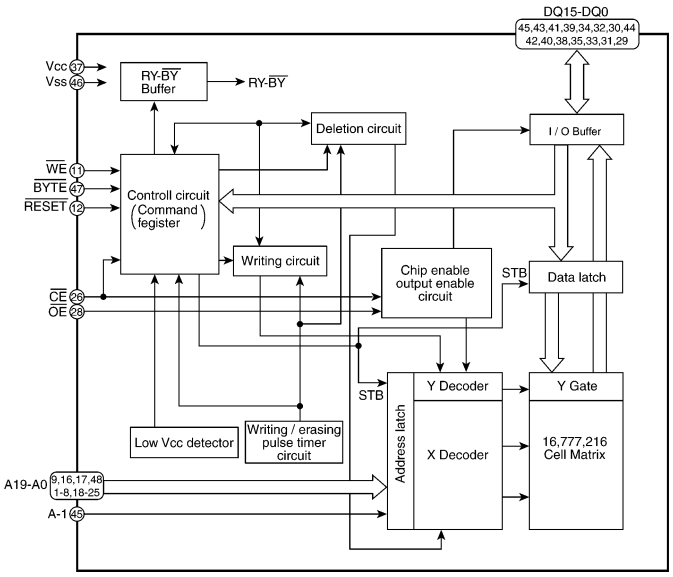


IC755 : C0DBZGD00040

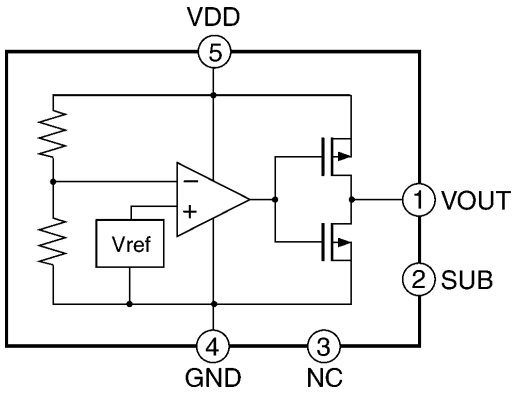


IC760 : C0GBG0000032

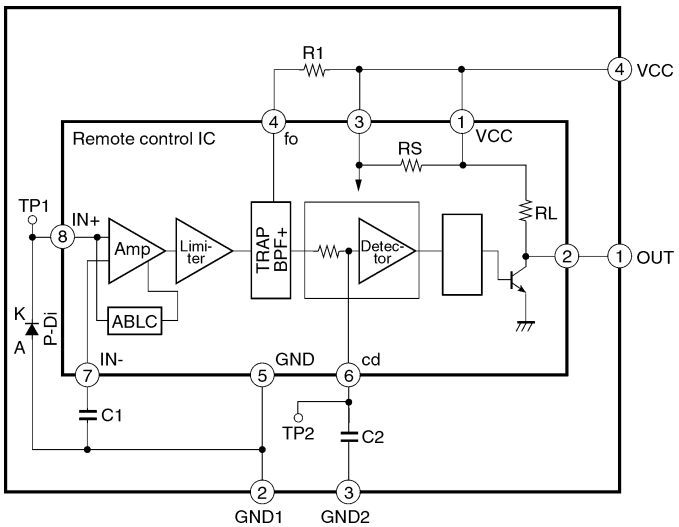
12.2. Display Block



IC901 : MBM29V14N

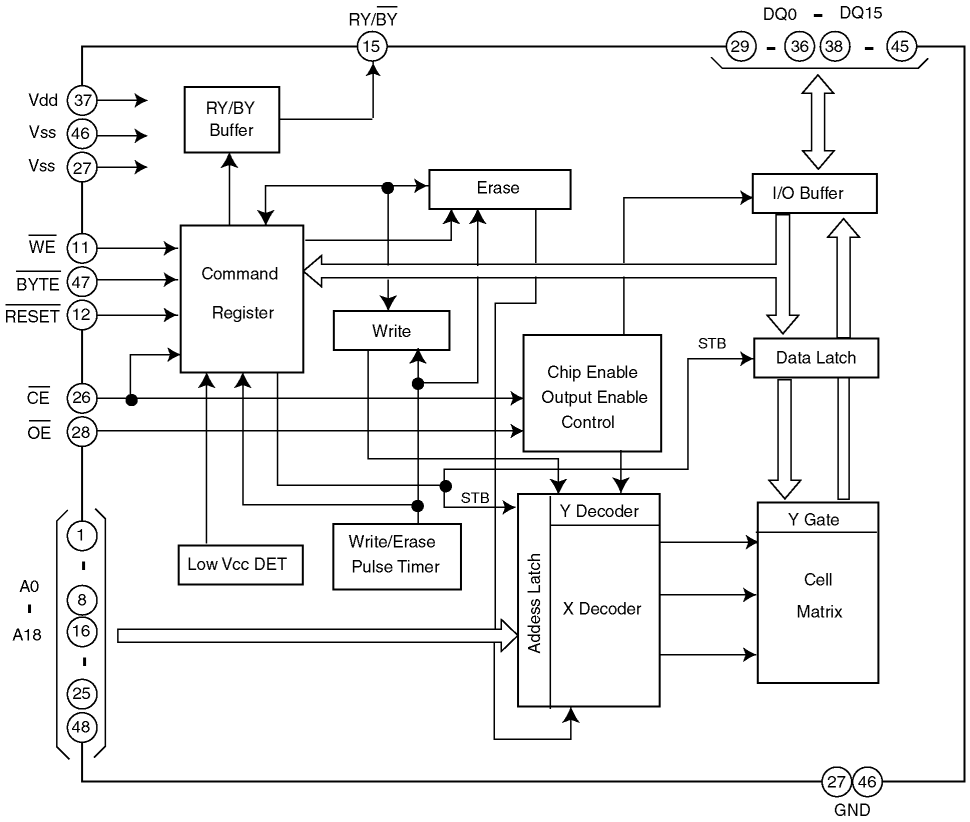


IC902 : C0EBF0000374

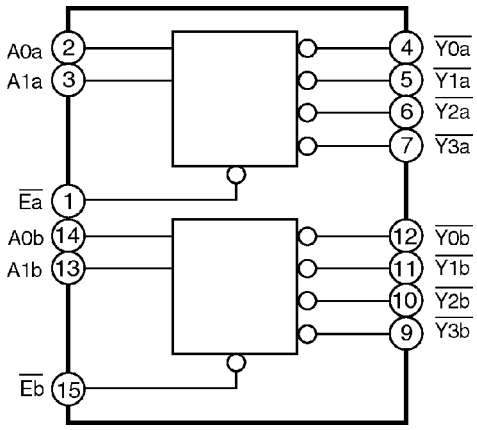


IC903 : B3MBZ0000006

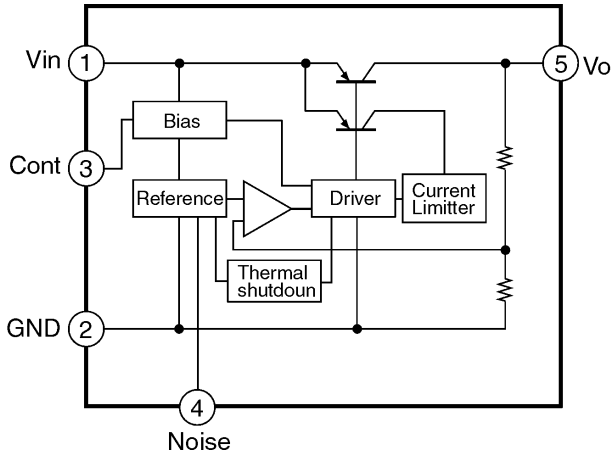
12.3. CD Servo Block



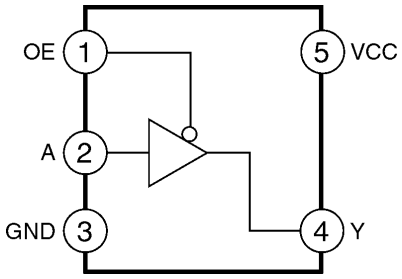
IC402 : YESAM280



IC403 : YESAM171



IC404 : YESAM178



IC405 : YESAM270

13 REPLACEMENT PARTS LIST [CQ-C8351N/C8301N]

Notes :

1. Be sure to make your orders of replacement parts according to this list.
2. Important safety notice: Components, identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer´s specified parts.
3. Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.
4. The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.
   - Order intake period is basically six months after the first shipment.
5. "A" or "B" marks in remarks column are indicated as follows :
   - A : CQ-C8351N
   - B : CQ-C8301N

Ref. No.	Part No.	Part Name & Description	Remarks
[E3042] Main/Connector Block			
IC´s AND TRANSISTORs			
IC201	C1BB00000796	IC	
IC241	C1BB00000650	IC	
IC251	C1BB00000649	IC	
IC271	C1EA00000043	IC	
IC401	C1BB00000644	IC	
IC501	C1BB00000960	IC	
IC601	C2CBKG000018	IC	
IC630	YEAMT7ST08UL	IC	
IC650	YEAMT7ST08UL	IC	
IC670	YEAMC14584BE	IC	
IC701	C0DAZHF00004	IC	
IC702	AN8065SE1	IC	
IC730	C0DAEKG00002	IC	
IC752	C0CAABG00012	IC	
IC755	C0DBZGD00040	IC	
IC760	C0GBG0000032	IC	
PA51	C5BA00000123	Electronic Tuner	
Q55	B1GDGFEH0001	Transistor	
Q56	B1AAEC000002	Transistor	
Q66	B1ABCF000044	Transistor	
Q220	B1GBCFNN0004	Transistor	
Q262	B1GBHBEA0004	Transistor	
Q266	B1GBHBEA0004	Transistor	
Q320	B1GBCFNN0004	Transistor	
Q346	B1GBHBEA0004	Transistor	
Q362	B1GBHBEA0004	Transistor	
Q366	B1GBHBEA0004	Transistor	
Q372	YEANC114YKX	Transistor	
Q376	B1GBCFNN0004	Transistor	
Q411	YEAN2SK536TB	Transistor	
Q630	B1GBCFNN0004	Transistor	
Q633	B1GDCFJJ0002	Transistor	
Q650	YEANC114YKX	Transistor	
Q651	B1GBCFNN0004	Transistor	
Q652	B1GBCFNN0004	Transistor	
Q667	B1GBCFNL0001	Transistor	
Q680	B1GDGFEH0001	Transistor	
Q681	B1GDCFJJ0002	Transistor	
Q701	2SD2139TA	Transistor	
Q730	B1GBCFNN0004	Transistor	
Q731	B1GBCFNN0004	Transistor	
Q760	B1GBCFNN0004	Transistor	
Q790	YEANHQ1F3PT1	Transistor	
Q791	YEANHQ1F3PT1	Transistor	
Q792	YEANC114YKX	Transistor	
Q793	YEANC114YKX	Transistor	
DIODEs			
D201	B0JCME000012	Diode	
D202	B0JCME000012	Diode	
D203	B0JCME000012	Diode	
D204	B0JCME000012	Diode	
D301	B0JCME000012	Diode	
D302	B0JCME000012	Diode	
D303	B0JCME000012	Diode	
D304	B0JCME000012	Diode	
D346	B0JCMC000004	Diode	
D504	YEADRD51M2T1	Diode	
D601	B0JCMC000004	Diode	
D630	B3AAB0000143	Diode	
D631	B0BC5R600003	Diode	
D633	B0BC5R600003	Diode	
D635	B0BC5R600003	Diode	
D636	B0BC5R600003	Diode	
D637	B0BC5R600003	Diode	
D638	B0BC5R600003	Diode	
D639	B0BC5R600003	Diode	
D670	B0JCMC000004	Diode	
D671	MA3X152A0L	Diode	
D680	MA3X152A0L	Diode	
D701	YEADDAM3MA47	Diode	
D702	MA736TX	Diode	
D703	YEADRD56M3T1	Diode	
D704	B0JCMC000004	Diode	
D705	B0JCME000012	Diode	
D706	B0JCME000012	Diode	
D707	YEADRB051L40	Diode	
D708	MA736TX	Diode	
D710	B0JCMC000004	Diode	
D715	MA3X152A0L	Diode	
D716	MA721TX	Diode	
D760	YEADRD51M2T1	Diode	
D761	YEADRD30M2T1	Diode	
D770	B0JCMC000004	Diode	
D771	B0JCMC000004	Diode	
CAPACITORs			
C50	YECUS1H100CC	Ceramic, 10PF 50WV	
C52	YECUS1H470JC	Ceramic, 47PF 50WV	
C53	F1J1H103A513	Ceramic, 0.01µF 50WV	
C54	F2A1A221A449	Electrolytic, 220µF 10WV	
C55	F1J1H103A513	Ceramic, 0.01µF 50WV	
C56	F3F1E105A001	Tantalum, 1µF 25WV	
C57	F2A1A101A450	Electrolytic, 100µF 10WV	
C61	YECUS1H183KX	Ceramic, 0.018µF 50WV	
C62	YECUS1H183KX	Ceramic, 0.018µF 50WV	
C65	F1J1H1020024	Ceramic, 1000PF 50WV	
C66	F1J1H471A672	Ceramic, 470PF 50WV	
C206	F2A1C100A502	Electrolytic, 10µF 16WV	
C213	F1J1A2250004	Ceramic, 2.2µF 10WV	
C215	F1J1A2250004	Ceramic, 2.2µF 10WV	
C217	YECUS1C334KX	Ceramic, 0.33µF 16WV	
C220	F2A1H2R2A634	Electrolytic, 2.2µF 50WV	
C244	YECUV2A152KX	Ceramic, 1500PF 100WV	
C245	F2A1C1010089	Electrolytic, 100µF 16WV	
C246	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C247	F2A1H4R7A632	Electrolytic, 4.7µF 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C248	F2A0J470A558	Electrolytic, 47µF 6.3WV	
C249	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C251	F2A1H4R7A632	Electrolytic, 4.7µF 50WV	
C254	F1J1H152A675	Ceramic, 1500PF 50WV	
C255	F2A1C1010089	Electrolytic, 100µF 16WV	
C257	F2A1H4R7A632	Electrolytic, 4.7µF 50WV	
C259	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C261	F2A1H4R7A632	Electrolytic, 4.7µF 50WV	
C263	ECQV1H474JL2	Plastic Film, 0.47µF 50WV	
C265	F2A1H4R7A632	Electrolytic, 4.7µF 50WV	
C267	ECQV1H474JL2	Plastic Film, 0.47µF 50WV	
C271	F1J1H472A675	Ceramic, 4700PF 50WV	
C272	F1J1H472A675	Ceramic, 4700PF 50WV	
C274	F2A1C4700073	Electrolytic, 47µF 16WV	
C275	F1J1C1050013	Ceramic, 1µF 16WV	
C278	YECUS1E104ZF	Ceramic, 0.1µF 25WV	
C279	F2A1C4720027	Electrolytic, 4700µF 16WV	
C306	F2A1C100A502	Electrolytic, 10µF 16WV	
C313	F1J1A2250004	Ceramic, 2.2µF 10WV	
C315	F1J1A2250004	Ceramic, 2.2µF 10WV	
C317	YECUS1C334KX	Ceramic, 0.33µF 16WV	
C320	F2A1H2R2A634	Electrolytic, 2.2µF 50WV	
C323	F2A1C100A502	Electrolytic, 10µF 16WV	
C324	F2A1H2R2A634	Electrolytic, 2.2µF 50WV	
C325	F2A1H2R2A634	Electrolytic, 2.2µF 50WV	
C326	F1J1A2250004	Ceramic, 2.2µF 10WV	
C327	F2A1A221A449	Electrolytic, 220µF 10WV	
C328	F1J1H103A513	Ceramic, 0.01µF 50WV	
C331	F1J1A2250004	Ceramic, 2.2µF 10WV	
C345	F2A1C100A502	Electrolytic, 10µF 16WV	
C349	F2A1A221A449	Electrolytic, 220µF 10WV	
C351	F2A1H4R7A632	Electrolytic, 4.7µF 50WV	
C354	F1J1H152A675	Ceramic, 1500PF 50WV	
C355	F2A1C1010089	Electrolytic, 100µF 16WV	
C357	F2A1H4R7A632	Electrolytic, 4.7µF 50WV	
C358	ECEA0JKA221I	Electrolytic, 220µF 6.3WV	
C359	F2A1A221A449	Electrolytic, 220µF 10WV	
C361	F2A1H4R7A632	Electrolytic, 4.7µF 50WV	
C363	ECQV1H474JL2	Plastic Film, 0.47µF 50WV	
C365	F2A1H4R7A632	Electrolytic, 4.7µF 50WV	
C367	ECQV1H474JL2	Plastic Film, 0.47µF 50WV	
C371	F1J1H472A675	Ceramic, 4700PF 50WV	
C372	F1J1H472A675	Ceramic, 4700PF 50WV	
C374	F2A1H2R20044	Electrolytic, 2.2µF 50WV	
C375	F2A1C100A502	Electrolytic, 10µF 16WV	
C378	YECUS1E104ZF	Ceramic, 0.1µF 25WV	
C401	F1J1H120A034	Ceramic, 12PF 50WV	
C402	F1J1H120A034	Ceramic, 12PF 50WV	
C403	F2A0J101A500	Electrolytic, 100µF 6.3WV	
C404	F1J1H103A513	Ceramic, 0.01µF 50WV	
C405	F1H1H101A231	Ceramic, 100PF 50WV	
C411	F1J1H103A513	Ceramic, 0.01µF 50WV	
C412	YECUS1H153KX	Ceramic, 0.015µF 50WV	
C413	ECQV1H104JL2	Plastic Film, 0.1µF 50WV	
C414	F2A1A221A449	Electrolytic, 220µF 10WV	
C415	F2A1A221A449	Electrolytic, 220µF 10WV	
C416	F2A1A221A449	Electrolytic, 220µF 10WV	
C501	YECUS1H100CC	Ceramic, 10PF 50WV	
C502	YECUS1H100CC	Ceramic, 10PF 50WV	
C504	F2A1C470A630	Electrolytic, 47µF 16WV	
C505	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C506	YECUZ1H103KX	Ceramic, 0.01µF 50WV	
C507	YECUZ1H271JC	Ceramic, 270PF 50WV	
C508	F2A1C100A502	Electrolytic, 10µF 16WV	
C601	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C602	YECUZ1H103KX	Ceramic, 0.01µF 50WV	
C603	F2A0J3310051	Electrolytic, 330µF 6.3WV	
C604	EECS0HD104H	Electrolytic, 0.1µF 5.5WV	
C605	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C606	F1H1H180A231	Ceramic, 18PF 50WV	
C607	F1J1H180A034	Ceramic, 18PF 50WV	
C608	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C609	F1J1A106A023	Ceramic, 10µF 10WV	
C610	YECUS1C104KX	Ceramic, 0.1µF 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C631	F2A1H4R7A632	Electrolytic, 4.7µF 50WV	
C632	YECUS1E104ZF	Ceramic, 0.1µF 25WV	
C633	F2A1C470A630	Electrolytic, 47µF 16WV	
C634	YECUZ1H103KX	Ceramic, 0.01µF 50WV	
C635	F1J1H103A513	Ceramic, 0.01µF 50WV	
C650	F1J1H103A513	Ceramic, 0.01µF 50WV	
C670	F2A1C100A502	Electrolytic, 10µF 16WV	
C671	YECUZ1H103KX	Ceramic, 0.01µF 50WV	
C680	F2A1H2R2A634	Electrolytic, 2.2µF 50WV	
C701	F1H1A154A007	Ceramic, 0.15µF 10WV	
C702	F2A1C1020069	Electrolytic, 1000µF 16WV	
C704	F2A0J470A558	Electrolytic, 47µF 6.3WV	
C705	YECUZ1H103KX	Ceramic, 0.01µF 50WV	
C706	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C707	F2A1C1020069	Electrolytic, 1000µF 16WV	
C708	ECEA1HKS010I	Electrolytic, 1µF 50WV	
C713	YECUS1C474KX	Ceramic, 0.47µF 16WV	
C715	YECUS1E104ZF	Ceramic, 0.1µF 25WV	
C716	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C717	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C718	YECUS1E104ZF	Ceramic, 0.1µF 25WV	
C719	EEAFC1A820H	Electrolytic, 82µF 10WV	
C720	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C721	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C730	F1K1E334A022	Ceramic, 0.33µF 25WV	
C731	YECUX1C334KX	Ceramic, 0.33µF 16WV	
C732	EEAFC1C560H	Electrolytic, 56µF 16WV	
C752	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C753	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C754	EEAFC0J560H	Electrolytic, 56µF 6.3WV	
C755	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C756	F1J1C1050013	Ceramic, 1µF 16WV	
C757	YECUZ1H103KX	Ceramic, 0.01µF 50WV	
C758	F2A0J470A558	Electrolytic, 47µF 6.3WV	
C760	YECUZ1H103KX	Ceramic, 0.01µF 50WV	
C761	YECUS1E104ZF	Ceramic, 0.1µF 25WV	
C762	F2A1C470A630	Electrolytic, 47µF 16WV	
C763	YECUS1E104ZF	Ceramic, 0.1µF 25WV	
C795	YECUS1E104ZF	Ceramic, 0.1µF 25WV	
C796	YECUS1E104ZF	Ceramic, 0.1µF 25WV	
C797	YECUS1E104ZF	Ceramic, 0.1µF 25WV	
RESISTORs			
J401	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J402	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J403	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J404	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J409	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J411	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J501	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J502	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J503	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J504	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J505	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J506	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J509	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J510	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J513	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J514	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J515	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J517	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J518	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J520	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J521	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J522	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J523	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J524	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J525	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J526	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J527	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J528	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J529	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J531	ERJ8GX0R00V	Chip, 0Ω 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
J534	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J536	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J537	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J538	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J539	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J540	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J541	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J542	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J544	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J545	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J546	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J547	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J550	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J551	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J552	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J553	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J554	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J555	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J558	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J559	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J560	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J561	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J562	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J563	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J564	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J565	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J566	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J567	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J568	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J569	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J570	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J571	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J572	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J573	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J575	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J576	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J578	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J579	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J580	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J582	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J583	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
L295	ERJ6GEYJ4R7	Chip, 4.7Ω 1/10W	
L296	ERJ6GEYJ4R7	Chip, 4.7Ω 1/10W	
L395	ERJ6GEYJ4R7	Chip, 4.7Ω 1/10W	
L396	ERJ6GEYJ4R7	Chip, 4.7Ω 1/10W	
R50	ERJ6GEYJ5R6V	Chip, 5.6Ω 1/10W	
R51	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R54	ERJ6GEYJ101	Chip, 100Ω 1/10W	
R55	ERJ6GEYJ331	Chip, 330Ω 1/10W	
R56	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R59	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R65	ERJ6GEYJ393	Chip, 39kΩ 1/10W	
R66	ERJ6GEYJ334	Chip, 330kΩ 1/10W	
R67	ERJ6GEYJ222	Chip, 2.2kΩ 1/10W	
R68	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R202	ERJ6GEYJ152	Chip, 1.5kΩ 1/10W	
R203	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R213	ERJ3GEYJ562V	Chip, 5.6kΩ 1/16W	
R214	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R215	ERJ3GEYJ472V	Chip, 4.7kΩ 1/16W	
R216	ERJ3GEYJ123V	Chip, 12kΩ 1/16W	
R217	ERJ3GEYJ183V	Chip, 18kΩ 1/16W	
R220	ERJ3GEYJ750V	Chip, 75Ω 1/16W	
R221	ERJ3GEYJ393V	Chip, 39kΩ 1/16W	
R244	ERJ6GEYJ393	Chip, 39kΩ 1/10W	
R245	ERJ6GEYJ273	Chip, 27kΩ 1/10W	
R248	ERJ6GEYJ4R7	Chip, 4.7Ω 1/10W	
R252	ERJ3GEYJ393V	Chip, 39kΩ 1/16W	
R253	ERJ6GEYJ273	Chip, 27kΩ 1/10W	
R254	ERJ8GEYJ393V	Chip, 39kΩ 1/8W	
R255	ERJ3GEYJ273V	Chip, 27kΩ 1/16W	
R261	ERJ6GEYJ560	Chip, 56Ω 1/10W	
R262	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R263	ERJ6GEYJ561	Chip, 560Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R265	ERJ6GEYJ560	Chip, 56Ω 1/10W	
R266	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R267	ERJ8GEYJ561V	Chip, 560Ω 1/8W	
R275	ERJ8GEYJ223V	Chip, 22kΩ 1/8W	
R302	ERJ6GEYJ152	Chip, 1.5kΩ 1/10W	
R303	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R313	ERJ3GEYJ562V	Chip, 5.6kΩ 1/16W	
R314	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R315	ERJ3GEYJ472V	Chip, 4.7kΩ 1/16W	
R316	ERJ3GEYJ123V	Chip, 12kΩ 1/16W	
R317	ERJ3GEYJ183V	Chip, 18kΩ 1/16W	
R320	ERJ3GEYJ750V	Chip, 75Ω 1/16W	
R321	ERJ6GEYJ393	Chip, 39kΩ 1/10W	
R323	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R324	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R325	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R326	ERJ6GEYJ101	Chip, 100Ω 1/10W	
R327	ERJ6GEYJ823	Chip, 82kΩ 1/10W	
R330	ERJ6GEYJ221V	Chip, 220Ω 1/10W	
R345	ERJ6GEYJ560	Chip, 56Ω 1/10W	
R346	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R348	ERJ3GEYJ4R7V	Chip, 4.7Ω 1/16W	
R352	ERJ8GEYJ393V	Chip, 39kΩ 1/8W	
R353	ERJ3GEYJ273V	Chip, 27kΩ 1/16W	
R354	ERJ6GEYJ393	Chip, 39kΩ 1/10W	
R355	ERJ3GEYJ273V	Chip, 27kΩ 1/16W	
R361	ERJ6GEYJ560	Chip, 56Ω 1/10W	
R362	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R363	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R365	ERJ6GEYJ560	Chip, 56Ω 1/10W	
R366	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R367	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R373	ERJ3GEYJ183V	Chip, 18kΩ 1/16W	
R375	ERJ6GEYJ562	Chip, 5.6kΩ 1/10W	
R376	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R401	ERJ3GEYJ152V	Chip, 1.5kΩ 1/16W	
R402	ERJ3GEYJ472V	Chip, 4.7kΩ 1/16W	
R403	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R404	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R405	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R406	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R407	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R408	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R409	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R410	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R411	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R413	ERJ6GEYJ182	Chip, 1.8kΩ 1/10W	
R414	ERJ8GEYJ561V	Chip, 560Ω 1/8W	
R417	ERJ3GEYJ100V	Chip, 10Ω 1/16W	
R501	ERJ6GEYJ225V	Chip, 2.2MΩ 1/10W	
R504	ERJ6GEYJ331	Chip, 330Ω 1/10W	
R506	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R507	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R601	ERJ3GEYJ432V	Chip, 4.3kΩ 1/16W	
R602	ERJ3GEYJ432V	Chip, 4.3kΩ 1/16W	
R605	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R607	ERJ3GEYJ333V	Chip, 33kΩ 1/16W	
R608	ERJ3GEYJ822V	Chip, 8.2kΩ 1/16W	
R610	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R612	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R613	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R614	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R615	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R617	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R618	ERJ3GEYJ223V	Chip, 22kΩ 1/16W	
R619	ERJ3GEYJ184V	Chip, 180kΩ 1/16W	
R620	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R621	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R622	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R625	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R626	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R627	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R628	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R631	ERJ6GEYJ821	Chip, 820Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R634	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R638	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R639	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R640	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R642	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R643	ERJ3GEYJ184V	Chip, 180kΩ 1/16W	
R646	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R653	ERJ3GEYJ512V	Chip, 5.1kΩ 1/16W	
R654	ERJ6GEYJ512V	Chip, 5.1kΩ 1/10W	
R655	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R656	ERJ6GEYJ272	Chip, 2.7kΩ 1/10W	
R657	ERJ3GEYJ272V	Chip, 2.7kΩ 1/16W	
R658	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R659	ERJ6GEYJ272	Chip, 2.7kΩ 1/10W	
R660	ERJ6GEYJ272	Chip, 2.7kΩ 1/10W	
R661	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R662	ERJ8GEYJ472V	Chip, 4.7kΩ 1/8W	
R663	ERJ6GEYJ512V	Chip, 5.1kΩ 1/10W	
R664	ERJ6GEYJ512V	Chip, 5.1kΩ 1/10W	
R667	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R670	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R671	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R672	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R673	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R674	ERJ3GEYJ272V	Chip, 2.7kΩ 1/16W	
R675	ERJ6GEYJ272	Chip, 2.7kΩ 1/10W	
R676	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R677	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R680	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R681	ERJ6GEYJ562	Chip, 5.6kΩ 1/10W	
R682	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R683	ERJ6GEYJ471	Chip, 470Ω 1/10W	
R684	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R685	ERJ3GEYJ561V	Chip, 560Ω 1/16W	
R686	ERJ3GEYJ561V	Chip, 560Ω 1/16W	
R701	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R702	ERJ3GEYJ274V	Chip, 270kΩ 1/16W	
R703	ERJ3GEYJ433V	Chip, 43kΩ 1/16W	
R704	ERJ8GEYJ4R7V	Chip, 4.7Ω 1/8W	
R705	ERJ8GEYJ682V	Chip, 6.8kΩ 1/8W	
R715	ERJ3GEYJ472V	Chip, 4.7kΩ 1/16W	
R716	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R717	ERJ3GEYJ433V	Chip, 43kΩ 1/16W	
R730	ERJ6ENF6802V	Chip, 68kΩ 1/10W	
R731	ERJ6ENF2203V	Chip, 220kΩ 1/10W	
R732	ERJ6ENF1802V	Chip, 18kΩ 1/10W	
R733	ERJ6ENF1303V	Chip, 130kΩ 1/10W	
R734	ERJ6ENF2201V	Chip, 2.2kΩ 1/10W	
R755	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R760	ERJ6GEYJ152	Chip, 1.5kΩ 1/10W	
R761	ERDS1FJ3R9	Carbon, 3.9Ω 1/2W	
R780	ERJ8GX0R00V	Chip, 0Ω 1/8W	
R781	ERJ8GX0R00V	Chip, 0Ω 1/8W	
R782	ERJ8GX0R00V	Chip, 0Ω 1/8W	
R790	ERJ3GEYJ223V	Chip, 22kΩ 1/16W	
R791	ERJ6GEYJ223	Chip, 22kΩ 1/10W	
R794	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R795	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
CONNECTORs			
CN201	K2KF29Z00030	Plug, 4P	
CN251	K2KF29Z00027	Plug, 4P	
CN253	K2KF29Z00031	Plug, 4P	
CN301	K2KF29Z00029	Plug, 4P	
CN351	K2KF29Z00026	Plug, 4P	
CN601	K1MN16B00130	Connector, 16P	
CN651	K1KA18A00074	Connector, 18P	
CN670	K1PQ07A00004	Connector, 7P	
CN680	YEAE012307	Connector, 8P	
CN701	K1FA116B0028	Connector, 16P	
CN760	YEAE5339802	Connector, 2P	

Ref. No.	Part No.	Part Name & Description	Remarks
COILs			
L50	G1C150K00011	Coil	
L52	G1CR56JA0036	Coil	
L53	G1C101JA0036	Coil	
L401	G1C101JA0036	Coil	
L501	G1C330JA0036	Coil	
L504	G1C330JA0036	Coil	
L601	G1C330JA0036	Coil	
L602	G1C101JA0036	Coil	
L603	G1C330JA0036	Coil	
L630	ELEAR330KA	Choke Coil	
L701	YELTBL01R1AT	Coil	
L702	G0A151J00006	Coil	
SWITCHes			
SW601	K0L1BA000099	Switch	
SW602	K0L1BA000104	Switch	
CRYSTALs			
XL401	H0D720400006	Crystal Oscillator	
XL501	H0D433400003	Crystal Oscillator	
XL601	H0J419400009	Crystal Oscillator	
NETWORK RESISTOR			
R606	EXBV8V102JV	Network Resistor	
FILTER			
Z50	J0LM00000001	Noise Filter	
THERMISTOR			
PT701	YERT7AR4R7MT	Thermistor	
[E9572] Display/LED Block			
IC´s AND TRANSISTORs			
IC900	C2CBJH000105	IC	
IC901	MBM29V14N	IC	
IC902	C0EBF0000374	IC	
IC903	B3MBZ0000006	IC	
Q901	B1GBCFNN0009	Transistor	
Q902	B1GDCFNN0002	Transistor	
Q903	B1GBCFNN0004	Transistor	
Q904	B1GBCFNN0004	Transistor	
Q912	YEANSSTA06T	Transistor	
Q941	B1ABCF000044	Transistor	
Q942	B1ABCF000044	Transistor	
Q943	B1ABCF000044	Transistor	
DIODEs			
D901	B0BC5R600003	Diode	
D902	B0BC5R600003	Diode	
D903	B0BC4R000006	Diode	
D904	B0BC5R600003	Diode	
D905	B0BC5R600003	Diode	
D906	B0BC01100039	Diode	
D907	B3AAB0000143	Diode	
D909	MA152WKTX	Diode	
D910	B0BC4R000006	Diode	
D911	B0BC4R000006	Diode	
D912	B0BC4R000006	Diode	
D913	B0BC4R000006	Diode	
D914	B0BC4R000006	Diode	
D915	B0JCMC000004	Diode	
D916	B0JCMC000004	Diode	
D917	B0BC4R000006	Diode	
D918	B0BC4R000006	Diode	
D919	B0BC4R000006	Diode	

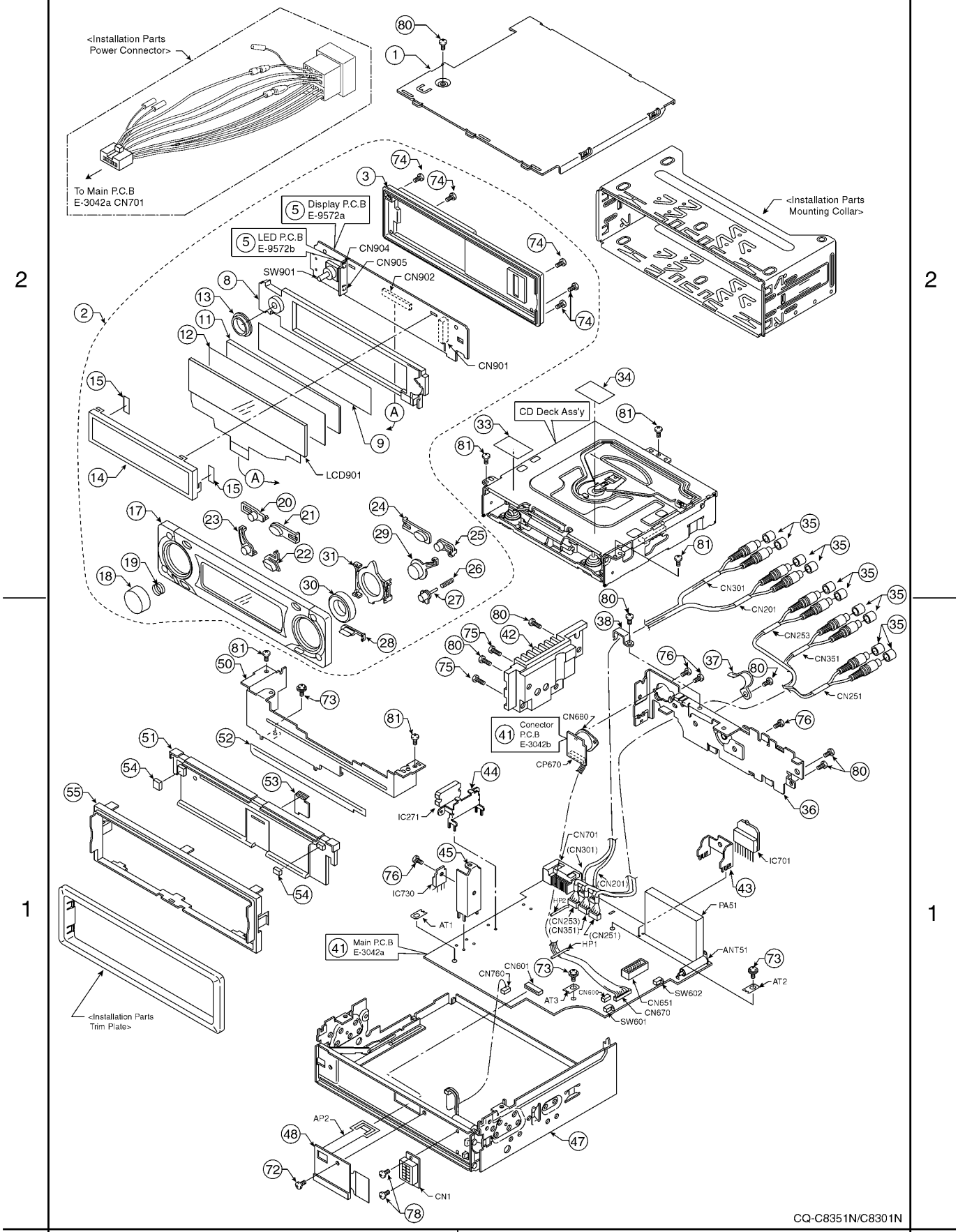
Ref. No.	Part No.	Part Name & Description	Remarks
D920	B0BC4R000006	Diode	
D923	B0BC4R000006	Diode	
D931	B3AZB0000031	Diode	
D932	B3AZB0000031	Diode	
D951	B3ABB0000161	Diode	A
D951	B3AAB0000143	Diode	B
D952	B3ABB0000161	Diode	A
D952	B3AAB0000143	Diode	B
D953	B3ABB0000161	Diode	A
D953	B3AAB0000143	Diode	B
D954	B3ABB0000161	Diode	A
D954	B3AAB0000143	Diode	B
D955	B3ABB0000161	Diode	A
D955	B3AAB0000143	Diode	B
D956	B3ABB0000161	Diode	A
D956	B3AAB0000143	Diode	B
D957	B3ABB0000161	Diode	A
D958	B3ABB0000161	Diode	A
D958	B3AAB0000143	Diode	B
D959	B3ABB0000161	Diode	A
D959	B3AAB0000143	Diode	B
D960	B3ABB0000161	Diode	A
D960	B3AAB0000143	Diode	B
D961	B3ABB0000161	Diode	A
D961	B3AAB0000143	Diode	B
D962	B3AFB0000091	Diode	
D964	YEADRD91M2T1	Diode	
CAPACITORs			
C902	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C903	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C904	ECST1CX106R	Tantalum, 10µF 16WV	
C905	F1H1H100A226	Ceramic, 10PF 50WV	
C906	F1H1H100A226	Ceramic, 10PF 50WV	
C907	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C908	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C909	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C911	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C912	ECST1CX106R	Tantalum, 10µF 16WV	
C913	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C914	YECUS1C105ZF	Ceramic, 1µF 16WV	
C915	YECUS1C105ZF	Ceramic, 1µF 16WV	
C916	F1J1H102A672	Ceramic, 1000PF 50WV	
C917	ECST1CX106R	Tantalum, 10µF 16WV	
C918	ECST1CX106R	Tantalum, 10µF 16WV	
C919	YECUZ1H103KX	Ceramic, 0.01µF 50WV	
C931	YECUV1C225KX	Ceramic, 2.2µF 16WV	
C932	YECUV1C225KX	Ceramic, 2.2µF 16WV	
C933	YECUV1C225KX	Ceramic, 2.2µF 16WV	
C934	YECUV1C225KX	Ceramic, 2.2µF 16WV	
C935	YECUV1C225KX	Ceramic, 2.2µF 16WV	
C936	YECUV1C225KX	Ceramic, 2.2µF 16WV	
C937	YECUV1C225KX	Ceramic, 2.2µF 16WV	
C938	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C939	YECUV1C225KX	Ceramic, 2.2µF 16WV	
C940	YECUV1C225KX	Ceramic, 2.2µF 16WV	
C941	YECUV1C225KX	Ceramic, 2.2µF 16WV	
C942	YECUV1C225KX	Ceramic, 2.2µF 16WV	
C973	YECUZ1H103KX	Ceramic, 0.01µF 50WV	
C974	YECUZ1H103KX	Ceramic, 0.01µF 50WV	
R921	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
RESISTORs			
D957	ERJ3GEY0R00V	Chip, 0Ω 1/16W	B
FB901	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
FB902	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
FB903	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R901	ERJ3GEYJ221V	Chip, 220Ω 1/16W	
R902	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R903	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R904	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R905	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R906	ERJ3GEYJ221V	Chip, 220Ω 1/16W	
R907	ERJ3GEYJ221V	Chip, 220Ω 1/16W	
R908	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R909	ERJ3GEYJ221V	Chip, 220Ω 1/16W	
R910	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R911	ERJ3GEYJ222V	Chip, 2.2kΩ 1/16W	
R912	ERJ3GEYJ222V	Chip, 2.2kΩ 1/16W	
R913	ERJ3GEYJ222V	Chip, 2.2kΩ 1/16W	
R914	ERJ3GEYJ222V	Chip, 2.2kΩ 1/16W	
R916	ERJ3GEYJ184V	Chip, 180kΩ 1/16W	
R917	ERJ3GEYJ184V	Chip, 180kΩ 1/16W	
R918	ERJ3GEYJ184V	Chip, 180kΩ 1/16W	
R919	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R923	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R924	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R925	ERJ3GEYJ302V	Chip, 3kΩ 1/16W	
R926	ERJ3GEYJ302V	Chip, 3kΩ 1/16W	
R927	ERJ3GEYJ122V	Chip, 1.2kΩ 1/16W	
R928	ERJ3GEYJ222V	Chip, 2.2kΩ 1/16W	
R929	ERJ3GEYJ122V	Chip, 1.2kΩ 1/16W	
R930	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R931	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R932	ERJ3GEYJ101V	Chip, 100Ω 1/16W	
R933	ERJ3GEYJ681V	Chip, 680Ω 1/16W	
R934	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R935	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R936	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R937	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R938	ERJ3GEYJ124V	Chip, 120kΩ 1/16W	
R939	ERJ3GEYJ221V	Chip, 220Ω 1/16W	
R941	ERJ8GEYJ471V	Chip, 470Ω 1/8W	
R942	ERJ8GEYJ331V	Chip, 330Ω 1/8W	
R943	ERJ8GEYJ391V	Chip, 390Ω 1/8W	
R944	ERJ8GEYJ471V	Chip, 470Ω 1/8W	
R945	ERJ8GEYJ331V	Chip, 330Ω 1/8W	
R946	ERJ8GEYJ391V	Chip, 390Ω 1/8W	
R947	ERJ3GEYJ562V	Chip, 5.6kΩ 1/16W	
R948	ERJ3GEYJ562V	Chip, 5.6kΩ 1/16W	
R949	ERJ3GEYJ562V	Chip, 5.6kΩ 1/16W	
R950	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R951	ERJ3GEYJ153V	Chip, 15kΩ 1/16W	
R952	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R953	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R954	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R964	ERJ6GEYJ471	Chip, 470Ω 1/10W	
R969	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R970	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R971	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R981	ERJ6GEYJ271	Chip, 270Ω 1/10W	A
R981	ERJ6GEYJ152	Chip, 1.5kΩ 1/10W	B
R982	ERJ6GEYJ271	Chip, 270Ω 1/10W	A
R982	ERJ6GEYJ152	Chip, 1.5kΩ 1/10W	B
R983	ERJ6GEYJ271	Chip, 270Ω 1/10W	A
R983	ERJ6GEYJ152	Chip, 1.5kΩ 1/10W	B
R984	ERJ6GEYJ271	Chip, 270Ω 1/10W	A
R984	ERJ6GEYJ182	Chip, 1.8kΩ 1/10W	B
R985	ERJ6GEYJ271	Chip, 270Ω 1/10W	A
R985	ERJ6GEYJ152	Chip, 1.5kΩ 1/10W	B
R986	ERJ6GEYJ391	Chip, 390Ω 1/10W	A
R986	ERJ6GEYJ182	Chip, 1.8kΩ 1/10W	B
R987	ERJ6GEYJ132V	Chip, 1.3kΩ 1/10W	
CONNECTORs			
CN901	K1NZ16D00001	Connector, 16P	
CN902	K1MN30BA0074	Connector, 30P	
CN904	YEAE0103IWK	Connector, 3P	
CN905	YEAE0103IWK	Connector, 3P	
SWITCHes			
SW901	K9AA024A0013	Switch	
SW902	K0H1BA000445	Switch	
SW903	K0H1BA000445	Switch	

Ref. No.	Part No.	Part Name & Description	Remarks
SW905	K0H1BA000445	Switch	
SW906	K0H1BA000445	Switch	
SW907	K0H1BA000445	Switch	
SW908	K0H1BA000445	Switch	
SW909	K0H1BA000445	Switch	
SW910	K0H1BA000445	Switch	
SW911	K0H1BA000445	Switch	
SW912	K0H1BA000445	Switch	
SW913	K0H1BA000445	Switch	
SW914	K0H1BA000445	Switch	
CRYSTAL			
XL900	H0J125500008	Crystal Oscillator	
LCD			
LCD901	L5F000000009	LCD	
NETWORK RESISTORs			
RA901	D1H822140004	Network Resistor	
RA902	D1H822140004	Network Resistor	
RA903	D1H822140004	Network Resistor	
RA904	D1H822140004	Network Resistor	
RA905	D1H822140004	Network Resistor	
RA907	D1H822140004	Network Resistor	
RA908	D1H822140004	Network Resistor	
RA909	D1H822140004	Network Resistor	
RA910	D1H822140004	Network Resistor	
RA911	D1H822140004	Network Resistor	
THERMISTOR			
TH900	D4CC14730002	Thermistor	
Accessories			
PRINTINGs			
	YEFM285649	Operating Instructions	
	YEFM293924	Installation Instructions	
	YEFM293925	Installation Instructions	B
	YEFM293926	Installation Instructions	
INSTALLATION PARTs			
	YEFA131646	Removable Face Plate Case	
	EUR7641010	Remote Control Unit (including a battery)	
	CR2025/1F	Lithium Battery	⚠
	YEAJ02872	Power Connector	
	YEFX0217222	Mounting Collar	
	YEFC05606	Trim Plate	
	YEP0FZ5711	Screw Kit (Lock Cancel Plate, Bolt, ISO Antenna Adapter)	
Mechanical Parts			
MISCELLANEOUS			
CN1	K1NZ16H00002	Connector,16P	
ANT51	YEAA10090	Antenna Receptacle	
AP2	YEAP2879	FPC	
AT1	K4ZZ01000048	Terminal	
AT2	K4ZZ01000048	Terminal	
AT3	K4ZZ01000048	Terminal	
HP1	YEAT03324	Terminal	
HP2	YEAT03324	Terminal	
1	YEFA032032	Upper Cover	
2	YEP0FX5793	Removable Face Plate Unit	A RTL
	YEP0FX5792	Removable Face Plate Unit	B RTL
3	YEFA132027	Back Cover, Detachable	
5	YGP0PT9572X9	Display PCB w/Component	A RTL
	YGP0PT9572Z9	Display PCB w/Component	B RTL

Ref. No.	Part No.	Part Name & Description	Remarks
8	YEFK061259	Transparent Plate	
9	YEFX9995567	Shad	
11	YEFX0013087	Prism Mirror	
12	YEFV023451	Optical Shade, LCD901	
13	YEFX0013084	Transparent Plate, VOL	
14	YEFX0217216	Case, LCD901	
15	YEFX9995490	Spacer	
17	YESFC02180	Detachable Face Ass'y	A
	YESFC02181	Detachable Face Ass'y	B
18	YEFE07552	Knob, VOLUME	
19	YEFX0052572	Moving Plate	
20	YEFE139458	Button, SOURCE	
21	YEFE139463	Button, SQ	
22	YEFE139467	Button, TA	
23	YEFE139461	Button, MUTE	
24	YEFE139469	Button, MENU	
25	YEFE139479	Button, CD Eject	
26	YEFX0053029	Spring	
27	YEFE139485	Button, Relase	
28	YEFE139472	Button, DISP	
29	YEFE139476	Button, BAND	
30	YEFE139482	Button, TUNE/TRACK Cap	
31	YEFE139569	Button, TUNE/TRACK Base	
33	YEFM031550	Laser Seal	
34	YEFM031551	Laser Seal	
35	YEFR041000	Cap	
36	YEFA08709AK	Rear Plate	
37	YEFX0071005	Clamp, CN251,CN253,CN351	
38	YEFX0071004	Clamper, CN201, CN301	
41	YGP0PT3042V9	Main/Connector w/Component	RTL
42	YEFF011230	Heat Sink	
43	YEFX0217229	Bracket, IC701	
44	YEFX0213945B	Bracket, IC271	
45	YEFX0216269	Bracket, IC730	
47	YEP9FX352	Drive Mechanism Ass´y	
48	YEFA131827	Flexible PCB Case	
50	YEFA07669	Front Plate	
51	YEFC028113	Rear Cover, Escutcheon	
52	YEFS02431	Pad, Escutcheon	
53	YEFX0012368	Transparent Plate, Escutheon	
54	YEFS012112	Pad, Escutcheon	
55	YEFC028112	Front Cover, Escutcheon	
72	YEJS06404A	Binding Screw	
73	YEJT03333A	Tapping Screw	
74	XQN2+BG8FJK	Tapping Screw, 2*8	
75	XSB3+14FJ	Binding Screw, 3*14	
76	XSB3+6FJ	Binding Screw, 3*6	
78	XQN2+C4FJK	Binding Screw, 2*4	
80	XTB3+6FFJ	Screw, 3*6	
81	XTB26+6FFJ	Tapping Screw, 2.6*6	

14 EXPLODED VIEW (Unit) [CQ-C8351N/C8301N]



15 REPLACEMENT PARTS LIST [CQ-C7301N]

Notes :

1. Be sure to make your orders of replacement parts according to this list.
2. Important safety notice: Components, identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer´s specified parts.
3. Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.
4. The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.
   - Order intake period is basically six months after the first shipment.

Ref. No.	Part No.	Part Name & Description	Remarks
[E3042] Main/Connector Block			
IC´s AND TRANSISTORs			
IC201	C1BB00000796	IC	
IC271	C1EA00000043	IC	
IC401	C1BB00000644	IC	
IC501	C1BB00000960	IC	
IC601	C2CBKG000018	IC	
IC630	YEAMT7ST08UL	IC	
IC650	YEAMT7ST08UL	IC	
IC670	YEAMC14584BE	IC	
IC701	C0DAZHF00004	IC	
IC702	AN8065SE1	IC	
IC730	C0DAEKG00002	IC	
IC752	C0CAABG00012	IC	
IC755	C0DBZGD00040	IC	
IC760	C0GBG0000032	IC	
PA51	C5BA00000123	Electronic Tuner	
Q55	B1GDGFEH0001	Transistor	
Q56	B1AAEC000002	Transistor	
Q66	B1ABCF000044	Transistor	
Q220	B1GBCFNN0004	Transistor	
Q262	B1GBHBEA0004	Transistor	
Q266	B1GBHBEA0004	Transistor	
Q320	B1GBCFNN0004	Transistor	
Q346	B1GBHBEA0004	Transistor	
Q362	B1GBHBEA0004	Transistor	
Q366	B1GBHBEA0004	Transistor	
Q372	YEANC114YKX	Transistor	
Q376	B1GBCFNN0004	Transistor	
Q411	YEAN2SK536TB	Transistor	
Q630	B1GBCFNN0004	Transistor	
Q633	B1GDCFJJ0002	Transistor	
Q650	YEANC114YKX	Transistor	
Q651	B1GBCFNN0004	Transistor	
Q652	B1GBCFNN0004	Transistor	
Q667	B1GBCFNL0001	Transistor	
Q680	B1GDGFEH0001	Transistor	
Q681	B1GDCFJJ0002	Transistor	
Q701	2SD2139TA	Transistor	
Q730	B1GBCFNN0004	Transistor	
Q731	B1GBCFNN0004	Transistor	
Q760	B1GBCFNN0004	Transistor	
Q790	YEANHQ1F3PT1	Transistor	
Q791	YEANHQ1F3PT1	Transistor	
Q792	YEANC114YKX	Transistor	
Q793	YEANC114YKX	Transistor	
DIODEs			
D201	B0JCME000012	Diode	
D202	B0JCME000012	Diode	
D203	B0JCME000012	Diode	
D204	B0JCME000012	Diode	
D301	B0JCME000012	Diode	
D302	B0JCME000012	Diode	
D303	B0JCME000012	Diode	
D304	B0JCME000012	Diode	
D346	B0JCMC000004	Diode	
D504	YEADRD51M2T1	Diode	
D601	B0JCMC000004	Diode	
D630	B3AAB0000143	Diode	
D631	B0BC5R600003	Diode	
D633	B0BC5R600003	Diode	
D635	B0BC5R600003	Diode	
D636	B0BC5R600003	Diode	
D637	B0BC5R600003	Diode	
D638	B0BC5R600003	Diode	
D639	B0BC5R600003	Diode	
D670	B0JCMC000004	Diode	
D671	MA3X152A0L	Diode	
D680	MA3X152A0L	Diode	
D701	YEADDAM3MA47	Diode	
D702	MA736TX	Diode	
D703	YEADRD56M3T1	Diode	
D704	B0JCMC000004	Diode	
D705	B0JCME000012	Diode	
D706	B0JCME000012	Diode	
D707	YEADRB051L40	Diode	
D708	MA736TX	Diode	
D710	B0JCMC000004	Diode	
D715	MA3X152A0L	Diode	
D716	MA721TX	Diode	
D760	YEADRD51M2T1	Diode	
D761	YEADRD30M2T1	Diode	
CAPACITORs			
C50	YECUS1H100CC	Ceramic, 10PF 50WV	
C52	YECUS1H470JC	Ceramic, 47PF 50WV	
C53	F1J1H103A513	Ceramic, 0.01µF 50WV	
C54	F2A1A221A449	Electrolytic, 220µF 10WV	
C55	F1J1H103A513	Ceramic, 0.01µF 50WV	
C56	F3F1E105A001	Tantalum, 1µF 25WV	
C57	F2A1A101A450	Electrolytic, 100µF 10WV	
C61	YECUS1H183KX	Ceramic, 0.018µF 50WV	
C62	YECUS1H183KX	Ceramic, 0.018µF 50WV	
C65	F1J1H1020024	Ceramic, 1000PF 50WV	
C66	F1J1H471A672	Ceramic, 470PF 50WV	
C206	F2A1C100A502	Electrolytic, 10µF 16WV	
C213	F1J1A2250004	Ceramic, 2.2µF 10WV	
C217	YECUS1C334KX	Ceramic, 0.33µF 16WV	
C220	F2A1H2R2A634	Electrolytic, 2.2µF 50WV	
C261	F2A1H4R7A632	Electrolytic, 4.7µF 50WV	
C263	ECQV1H474JL2	Plastic Film, 0.47µF 50WV	
C265	F2A1H4R7A632	Electrolytic, 4.7µF 50WV	
C267	ECQV1H474JL2	Plastic Film, 0.47µF 50WV	
C271	F1J1H472A675	Ceramic, 4700PF 50WV	
C272	F1J1H472A675	Ceramic, 4700PF 50WV	
C274	F2A1C4700073	Electrolytic, 47µF 16WV	
C275	F1J1C1050013	Ceramic, 1µF 16WV	
C278	YECUS1E104ZF	Ceramic, 0.1µF 25WV	
C279	F2A1C4720027	Electrolytic, 4700µF 16WV	
C306	F2A1C100A502	Electrolytic, 10µF 16WV	
C313	F1J1A2250004	Ceramic, 2.2µF 10WV	
C317	YECUS1C334KX	Ceramic, 0.33µF 16WV	
C320	F2A1H2R2A634	Electrolytic, 2.2µF 50WV	
C323	F2A1C100A502	Electrolytic, 10µF 16WV	
C324	F2A1H2R2A634	Electrolytic, 2.2µF 50WV	
C325	F2A1H2R2A634	Electrolytic, 2.2µF 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C326	F1J1A2250004	Ceramic, 2.2µF 10WV	
C327	F2A1A221A449	Electrolytic, 220µF 10WV	
C328	F1J1H103A513	Ceramic, 0.01µF 50WV	
C331	F1J1A2250004	Ceramic, 2.2µF 10WV	
C345	F2A1C100A502	Electrolytic, 10µF 16WV	
C361	F2A1H4R7A632	Electrolytic, 4.7µF 50WV	
C363	ECQV1H474JL2	Plastic Film, 0.47µF 50WV	
C365	F2A1H4R7A632	Electrolytic, 4.7µF 50WV	
C367	ECQV1H474JL2	Plastic Film, 0.47µF 50WV	
C371	F1J1H472A675	Ceramic, 4700PF 50WV	
C372	F1J1H472A675	Ceramic, 4700PF 50WV	
C374	F2A1H2R20044	Electrolytic, 2.2µF 50WV	
C375	F2A1C100A502	Electrolytic, 10µF 16WV	
C378	YECUS1E104ZF	Ceramic, 0.1µF 25WV	
C401	F1J1H120A034	Ceramic, 12PF 50WV	
C402	F1J1H120A034	Ceramic, 12PF 50WV	
C403	F2A0J101A500	Electrolytic, 100µF 6.3WV	
C404	F1J1H103A513	Ceramic, 0.01µF 50WV	
C405	F1H1H101A231	Ceramic, 100PF 50WV	
C411	F1J1H103A513	Ceramic, 0.01µF 50WV	
C412	YECUS1H153KX	Ceramic, 0.015µF 50WV	
C413	ECQV1H104JL2	Plastic Film, 0.1µF 50WV	
C414	F2A1A221A449	Electrolytic, 220µF 10WV	
C415	F2A1A221A449	Electrolytic, 220µF 10WV	
C416	F2A1A221A449	Electrolytic, 220µF 10WV	
C501	YECUS1H100CC	Ceramic, 10PF 50WV	
C502	YECUS1H100CC	Ceramic, 10PF 50WV	
C504	F2A1C470A630	Electrolytic, 47µF 16WV	
C505	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C506	YECUZ1H103KX	Ceramic, 0.01µF 50WV	
C507	YECUZ1H271JC	Ceramic, 270PF 50WV	
C508	F2A1C100A502	Electrolytic, 10µF 16WV	
C601	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C602	YECUZ1H103KX	Ceramic, 0.01µF 50WV	
C603	F2A0J3310051	Electrolytic, 330µF 6.3WV	
C604	EECS0HD104H	Electrolytic, 0.1µF 5.5WV	
C605	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C606	F1H1H180A231	Ceramic, 18PF 50WV	
C607	F1J1H180A034	Ceramic, 18PF 50WV	
C608	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C609	F1J1A106A023	Ceramic, 10µF 10WV	
C610	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C631	F2A1H4R7A632	Electrolytic, 4.7µF 50WV	
C632	YECUS1E104ZF	Ceramic, 0.1µF 25WV	
C633	F2A1C470A630	Electrolytic, 47µF 16WV	
C634	YECUZ1H103KX	Ceramic, 0.01µF 50WV	
C635	F1J1H103A513	Ceramic, 0.01µF 50WV	
C650	F1J1H103A513	Ceramic, 0.01µF 50WV	
C670	F2A1C100A502	Electrolytic, 10µF 16WV	
C671	YECUZ1H103KX	Ceramic, 0.01µF 50WV	
C680	F2A1H2R2A634	Electrolytic, 2.2µF 50WV	
C701	F1H1A154A007	Ceramic, 0.15µF 10WV	
C702	F2A1C1020069	Electrolytic, 1000µF 16WV	
C704	F2A0J470A558	Electrolytic, 47µF 6.3WV	
C705	YECUZ1H103KX	Ceramic, 0.01µF 50WV	
C706	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C707	F2A1C1020069	Electrolytic, 1000µF 16WV	
C708	ECEA1HKS010I	Electrolytic, 1µF 50WV	
C713	YECUS1C474KX	Ceramic, 0.47µF 16WV	
C715	YECUS1E104ZF	Ceramic, 0.1µF 25WV	
C716	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C717	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C718	YECUS1E104ZF	Ceramic, 0.1µF 25WV	
C719	EEAFC1A820H	Electrolytic, 82µF 10WV	
C720	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C721	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C730	F1K1E334A022	Ceramic, 0.33µF 25WV	
C731	YECUX1C334KX	Ceramic, 0.33µF 16WV	
C732	EEAFC1C560H	Electrolytic, 56µF 16WV	
C752	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C753	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C754	EEAFC0J560H	Electrolytic, 56µF 6.3WV	
C755	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C756	F1J1C1050013	Ceramic, 1µF 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C757	YECUZ1H103KX	Ceramic, 0.01µF 50WV	
C758	F2A0J470A558	Electrolytic, 47µF 6.3WV	
C760	YECUZ1H103KX	Ceramic, 0.01µF 50WV	
C761	YECUS1E104ZF	Ceramic, 0.1µF 25WV	
C762	F2A1C470A630	Electrolytic, 47µF 16WV	
C763	YECUS1E104ZF	Ceramic, 0.1µF 25WV	
C795	YECUS1E104ZF	Ceramic, 0.1µF 25WV	
C796	YECUS1E104ZF	Ceramic, 0.1µF 25WV	
C797	YECUS1E104ZF	Ceramic, 0.1µF 25WV	
RESISTORs			
J401	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J402	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J403	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J404	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J409	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J501	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J502	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J503	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J504	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J505	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J506	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J509	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J510	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J513	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J514	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J515	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J517	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J518	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J520	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J521	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J522	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J523	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J524	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J525	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J526	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J527	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J528	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J529	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J531	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J534	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J536	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J537	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J538	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J539	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J540	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J541	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J542	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J544	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J545	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J546	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J550	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J551	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J552	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J553	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J554	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J555	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J558	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J559	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J560	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J561	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J562	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J563	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J564	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J565	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J566	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J567	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J568	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J569	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J570	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J571	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J572	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J573	ERJ8GEY0R00V	Chip, 0Ω 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
J575	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J576	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J578	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
J579	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J580	ERJ8GX0R00V	Chip, 0Ω 1/8W	
J582	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J583	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
L295	ERD6GEYJ180	Chip, 18Ω 1/10W	
L296	ERD6GEYJ180	Chip, 18Ω 1/10W	
L395	ERD6GEYJ180	Chip, 18Ω 1/10W	
L396	ERD6GEYJ180	Chip, 18Ω 1/10W	
R50	ERJ6GEYJ5R6V	Chip, 5.6Ω 1/10W	
R51	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R54	ERJ6GEYJ101	Chip, 100Ω 1/10W	
R55	ERJ6GEYJ331	Chip, 330Ω 1/10W	
R56	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R59	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R65	ERJ6GEYJ393	Chip, 39kΩ 1/10W	
R66	ERJ6GEYJ334	Chip, 330kΩ 1/10W	
R67	ERJ6GEYJ222	Chip, 2.2kΩ 1/10W	
R68	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R202	ERJ6GEYJ152	Chip, 1.5kΩ 1/10W	
R203	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R213	ERJ3GEYJ562V	Chip, 5.6kΩ 1/16W	
R214	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R217	ERJ3GEYJ183V	Chip, 18kΩ 1/16W	
R220	ERJ3GEYJ750V	Chip, 75Ω 1/16W	
R221	ERJ3GEYJ153V	Chip, 15kΩ 1/16W	
R247	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
R248	ERD6GEYJ180	Chip, 18Ω 1/10W	
R251	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R257	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R261	ERJ6GEYJ181	Chip, 180Ω 1/10W	
R262	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R263	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R265	ERJ6GEYJ181	Chip, 180Ω 1/10W	
R266	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R267	ERJ8GEYJ561V	Chip, 560Ω 1/8W	
R275	ERJ8GEYJ223V	Chip, 22kΩ 1/8W	
R302	ERJ6GEYJ152	Chip, 1.5kΩ 1/10W	
R303	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R313	ERJ3GEYJ562V	Chip, 5.6kΩ 1/16W	
R314	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R317	ERJ3GEYJ183V	Chip, 18kΩ 1/16W	
R320	ERJ3GEYJ750V	Chip, 75Ω 1/16W	
R321	ERJ6GEYJ153	Chip, 15kΩ 1/10W	
R323	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R324	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R325	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R326	ERJ6GEYJ101	Chip, 100Ω 1/10W	
R327	ERJ6GEYJ823	Chip, 82kΩ 1/10W	
R330	ERJ6GEYJ221V	Chip, 220Ω 1/10W	
R345	ERJ6GEYJ181	Chip, 180Ω 1/10W	
R346	ERJ3GEYJ223V	Chip, 22kΩ 1/16W	
R348	ERJ3GEYJ180V	Chip, 18Ω 1/16W	
R351	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
R357	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R361	ERJ6GEYJ181	Chip, 180Ω 1/10W	
R362	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R363	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R365	ERJ6GEYJ181	Chip, 180Ω 1/10W	
R366	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R367	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R373	ERJ3GEYJ183V	Chip, 18kΩ 1/16W	
R375	ERJ6GEYJ562	Chip, 5.6kΩ 1/10W	
R376	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R401	ERJ3GEYJ152V	Chip, 1.5kΩ 1/16W	
R402	ERJ3GEYJ472V	Chip, 4.7kΩ 1/16W	
R403	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R404	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R405	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R406	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R407	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R408	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R409	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R410	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R411	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R413	ERJ6GEYJ182	Chip, 1.8kΩ 1/10W	
R414	ERJ8GEYJ561V	Chip, 560Ω 1/8W	
R417	ERJ3GEYJ100V	Chip, 10Ω 1/16W	
R501	ERJ6GEYJ225V	Chip, 2.2MΩ 1/10W	
R504	ERJ6GEYJ331	Chip, 330Ω 1/10W	
R506	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R507	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R601	ERJ3GEYJ432V	Chip, 4.3kΩ 1/16W	
R602	ERJ3GEYJ432V	Chip, 4.3kΩ 1/16W	
R605	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R607	ERJ3GEYJ333V	Chip, 33kΩ 1/16W	
R608	ERJ3GEYJ822V	Chip, 8.2kΩ 1/16W	
R609	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R612	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R613	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R614	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R615	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R617	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R618	ERJ3GEYJ223V	Chip, 22kΩ 1/16W	
R619	ERJ3GEYJ184V	Chip, 180kΩ 1/16W	
R620	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R621	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R622	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R625	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R626	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R627	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R628	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R631	ERJ6GEYJ821	Chip, 820Ω 1/10W	
R634	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R638	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R639	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R640	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R642	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R643	ERJ3GEYJ184V	Chip, 180kΩ 1/16W	
R646	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R653	ERJ3GEYJ512V	Chip, 5.1kΩ 1/16W	
R654	ERJ6GEYJ512V	Chip, 5.1kΩ 1/10W	
R655	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R656	ERJ6GEYJ272	Chip, 2.7kΩ 1/10W	
R657	ERJ3GEYJ272V	Chip, 2.7kΩ 1/16W	
R658	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R659	ERJ6GEYJ272	Chip, 2.7kΩ 1/10W	
R660	ERJ6GEYJ272	Chip, 2.7kΩ 1/10W	
R661	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R662	ERJ8GEYJ472V	Chip, 4.7kΩ 1/8W	
R663	ERJ6GEYJ512V	Chip, 5.1kΩ 1/10W	
R664	ERJ6GEYJ512V	Chip, 5.1kΩ 1/10W	
R667	ERJ6GEYJ103	Chip, 10kΩ 1/10W	
R670	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R671	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R672	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R673	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R674	ERJ3GEYJ272V	Chip, 2.7kΩ 1/16W	
R675	ERJ6GEYJ272	Chip, 2.7kΩ 1/10W	
R676	ERJ6GEYJ472	Chip, 4.7kΩ 1/10W	
R677	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R680	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R681	ERJ6GEYJ562	Chip, 5.6kΩ 1/10W	
R682	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R683	ERJ6GEYJ471	Chip, 470Ω 1/10W	
R684	ERJ6GEYJ561	Chip, 560Ω 1/10W	
R685	ERJ3GEYJ561V	Chip, 560Ω 1/16W	
R686	ERJ3GEYJ561V	Chip, 560Ω 1/16W	
R701	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R702	ERJ3GEYJ274V	Chip, 270kΩ 1/16W	
R703	ERJ3GEYJ433V	Chip, 43kΩ 1/16W	
R704	ERJ8GEYJ4R7V	Chip, 4.7Ω 1/8W	
R705	ERJ8GEYJ682V	Chip, 6.8kΩ 1/8W	
R715	ERJ3GEYJ472V	Chip, 4.7kΩ 1/16W	
R716	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R717	ERJ3GEYJ433V	Chip, 43kΩ 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R730	ERJ6ENF6802V	Chip, 68kΩ 1/10W	
R731	ERJ6ENF2203V	Chip, 220kΩ 1/10W	
R732	ERJ6ENF1802V	Chip, 18kΩ 1/10W	
R733	ERJ6ENF1303V	Chip, 130kΩ 1/10W	
R734	ERJ6ENF2201V	Chip, 2.2kΩ 1/10W	
R755	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R760	ERJ6GEYJ152	Chip, 1.5kΩ 1/10W	
R761	ERDS1FJ3R9	Carbon, 3.9Ω 1/2W	
R770	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R780	ERJ8GX0R00V	Chip, 0Ω 1/8W	
R781	ERJ8GX0R00V	Chip, 0Ω 1/8W	
R782	ERJ8GX0R00V	Chip, 0Ω 1/8W	
R790	ERJ3GEYJ223V	Chip, 22kΩ 1/16W	
R791	ERJ6GEYJ223	Chip, 22kΩ 1/10W	
R794	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R795	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
CONNECTORs			
CN251	K2KF29Z00028	Plug, 4P	
CN253	K2KF29Z00032	Plug, 4P	
CN302	K2HA104B0010	Jack, RCA	
CN601	K1MN16B00130	Connector, 16P	
CN651	K1KA18A00074	Connector, 18P	
CN670	K1PQ07A00004	Connector, 7P	
CN680	YEAE012307	Connector, 8P	
CN701	K1FA116B0028	Connector, 16P	
CN760	YEAE5339802	Connector, 2P	
COILs			
L50	G1C150K00011	Coil	
L52	G1CR56JA0036	Coil	
L53	G1C101JA0036	Coil	
L401	G1C101JA0036	Coil	
L501	G1C330JA0036	Coil	
L504	G1C330JA0036	Coil	
L601	G1C330JA0036	Coil	
L602	G1C101JA0036	Coil	
L603	G1C330JA0036	Coil	
L630	ELEAR330KA	Choke Coil	
L701	YELTBL01R1AT	Coil	
L702	G0A151J00006	Coil	
SWITCHes			
SW601	K0L1BA000099	Switch	
SW602	K0L1BA000104	Switch	
CRYSTALs			
XL401	H0D720400006	Crystal Oscillator	
XL501	H0D433400003	Crystal Oscillator	
XL601	H0J419400009	Crystal Oscillator	
NETWORK RESISTORs			
R606	EXBV8V102JV	Network Resistor	
FILTER			
Z50	J0LM00000001	Noise Filter	
THERMISTOR			
PT701	YERT7AR4R7MT	Thermistor	
[E9572] Display/LED Block			
IC´s AND TRANSISTORs			
IC900	C2CBJH000105	IC	
IC901	MBM29V14N	IC	
IC902	C0EBF0000374	IC	

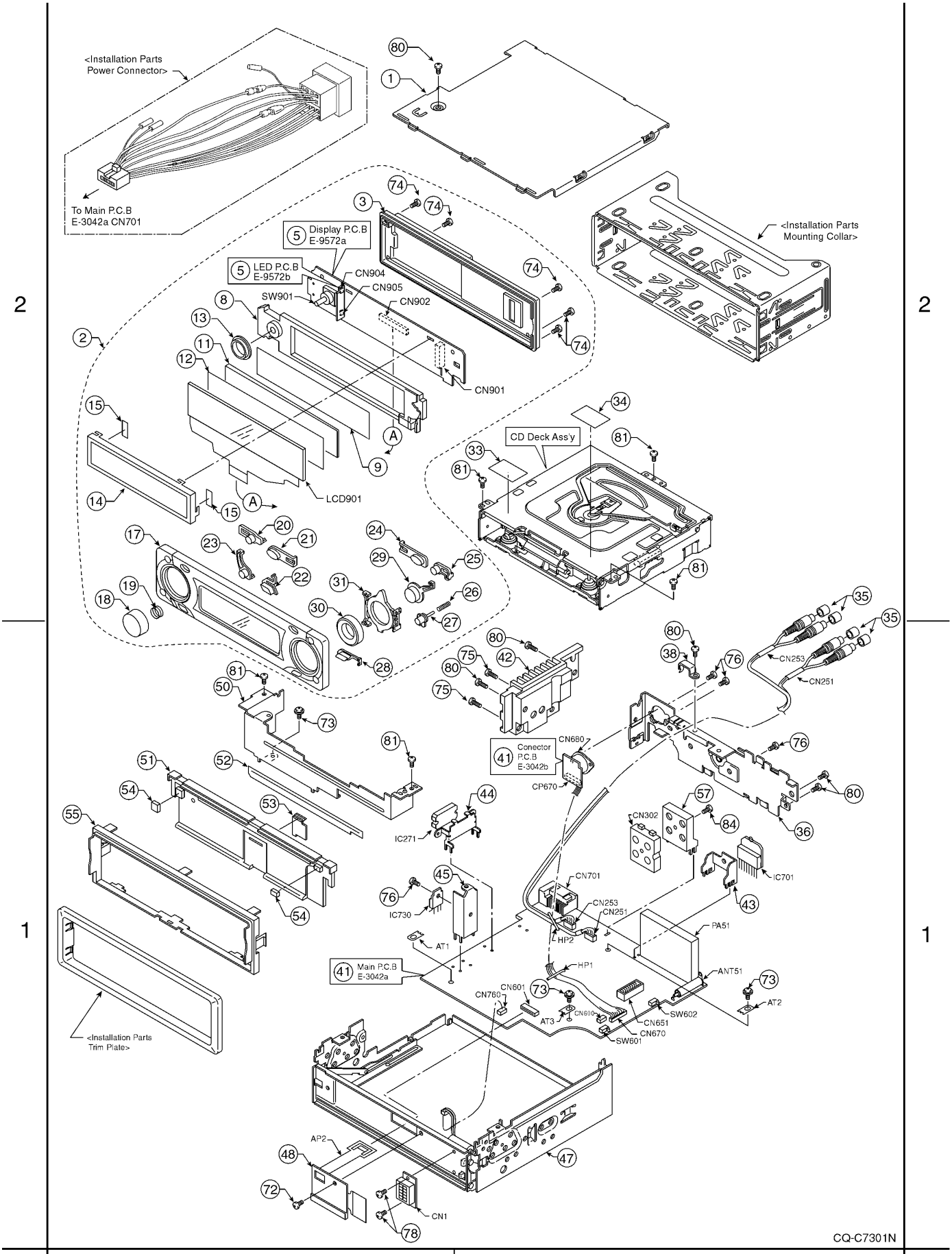
Ref. No.	Part No.	Part Name & Description	Remarks
IC903	B3MBZ0000006	IC	
Q901	B1GBCFNN0009	Transistor	
Q902	B1GDCFNN0002	Transistor	
Q903	B1GBCFNN0004	Transistor	
Q904	B1GBCFNN0004	Transistor	
Q912	YEANSSTA06T	Transistor	
Q941	B1ABCF000044	Transistor	
Q942	B1ABCF000044	Transistor	
Q943	B1ABCF000044	Transistor	
DIODEs			
D901	B0BC5R600003	Diode	
D902	B0BC5R600003	Diode	
D903	B0BC4R000006	Diode	
D904	B0BC5R600003	Diode	
D905	B0BC5R600003	Diode	
D906	B0BC01100039	Diode	
D907	B3AAB0000143	Diode	
D909	MA152WKTX	Diode	
D910	B0BC4R000006	Diode	
D911	B0BC4R000006	Diode	
D912	B0BC4R000006	Diode	
D913	B0BC4R000006	Diode	
D914	B0BC4R000006	Diode	
D915	B0JCMC000004	Diode	
D916	B0JCMC000004	Diode	
D917	B0BC4R000006	Diode	
D918	B0BC4R000006	Diode	
D919	B0BC4R000006	Diode	
D920	B0BC4R000006	Diode	
D923	B0BC4R000006	Diode	
D931	B3AZB0000031	Diode	
D932	B3AZB0000031	Diode	
D951	B3AAB0000143	Diode	
D952	B3AAB0000143	Diode	
D953	B3AAB0000143	Diode	
D954	B3AAB0000143	Diode	
D955	B3AAB0000143	Diode	
D956	B3AAB0000143	Diode	
D958	B3AAB0000143	Diode	
D959	B3AAB0000143	Diode	
D960	B3AAB0000143	Diode	
D961	B3AAB0000143	Diode	
D964	YEADRD91M2T1	Diode	
CAPACITORs			
C902	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C903	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C904	ECST1CX106R	Tantalum, 10µF 16WV	
C905	F1H1H100A226	Ceramic, 10PF 50WV	
C906	F1H1H100A226	Ceramic, 10PF 50WV	
C907	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C908	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C909	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C911	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C912	ECST1CX106R	Tantalum, 10µF 16WV	
C913	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C914	YECUS1C105ZF	Ceramic, 1µF 16WV	
C915	YECUS1C105ZF	Ceramic, 1µF 16WV	
C916	F1J1H102A672	Ceramic, 1000PF 50WV	
C917	ECST1CX106R	Tantalum, 10µF 16WV	
C918	ECST1CX106R	Tantalum, 10µF 16WV	
C919	YECUZ1H103KX	Ceramic, 0.01µF 50WV	
C931	YECUV1C225KX	Ceramic, 2.2µF 16WV	
C932	YECUV1C225KX	Ceramic, 2.2µF 16WV	
C933	YECUV1C225KX	Ceramic, 2.2µF 16WV	
C934	YECUV1C225KX	Ceramic, 2.2µF 16WV	
C935	YECUV1C225KX	Ceramic, 2.2µF 16WV	
C936	YECUV1C225KX	Ceramic, 2.2µF 16WV	
C937	YECUV1C225KX	Ceramic, 2.2µF 16WV	
C938	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C939	YECUV1C225KX	Ceramic, 2.2µF 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C940	YECUV1C225KX	Ceramic, 2.2µF 16WV	
C941	YECUV1C225KX	Ceramic, 2.2µF 16WV	
C942	YECUV1C225KX	Ceramic, 2.2µF 16WV	
C973	YECUZ1H103KX	Ceramic, 0.01µF 50WV	
C974	YECUZ1H103KX	Ceramic, 0.01µF 50WV	
R921	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
RESISTORs			
D957	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
FB901	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
FB902	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
FB903	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R901	ERJ3GEYJ221V	Chip, 220Ω 1/16W	
R902	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R903	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R904	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R905	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R906	ERJ3GEYJ221V	Chip, 220Ω 1/16W	
R907	ERJ3GEYJ221V	Chip, 220Ω 1/16W	
R908	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R909	ERJ3GEYJ221V	Chip, 220Ω 1/16W	
R910	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R911	ERJ3GEYJ222V	Chip, 2.2kΩ 1/16W	
R912	ERJ3GEYJ222V	Chip, 2.2kΩ 1/16W	
R913	ERJ3GEYJ222V	Chip, 2.2kΩ 1/16W	
R914	ERJ3GEYJ222V	Chip, 2.2kΩ 1/16W	
R916	ERJ3GEYJ184V	Chip, 180kΩ 1/16W	
R917	ERJ3GEYJ184V	Chip, 180kΩ 1/16W	
R918	ERJ3GEYJ184V	Chip, 180kΩ 1/16W	
R919	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R923	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R924	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R925	ERJ3GEYJ302V	Chip, 3kΩ 1/16W	
R926	ERJ3GEYJ302V	Chip, 3kΩ 1/16W	
R927	ERJ3GEYJ122V	Chip, 1.2kΩ 1/16W	
R928	ERJ3GEYJ222V	Chip, 2.2kΩ 1/16W	
R929	ERJ3GEYJ122V	Chip, 1.2kΩ 1/16W	
R930	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R931	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R932	ERJ3GEYJ101V	Chip, 100Ω 1/16W	
R933	ERJ3GEYJ681V	Chip, 680Ω 1/16W	
R934	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R935	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R936	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R937	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R938	ERJ3GEYJ124V	Chip, 120kΩ 1/16W	
R939	ERJ3GEYJ221V	Chip, 220Ω 1/16W	
R941	ERJ8GEYJ471V	Chip, 470Ω 1/8W	
R942	ERJ8GEYJ331V	Chip, 330Ω 1/8W	
R943	ERJ8GEYJ391V	Chip, 390Ω 1/8W	
R944	ERJ8GEYJ471V	Chip, 470Ω 1/8W	
R945	ERJ8GEYJ331V	Chip, 330Ω 1/8W	
R946	ERJ8GEYJ391V	Chip, 390Ω 1/8W	
R947	ERJ3GEYJ562V	Chip, 5.6kΩ 1/16W	
R948	ERJ3GEYJ562V	Chip, 5.6kΩ 1/16W	
R949	ERJ3GEYJ562V	Chip, 5.6kΩ 1/16W	
R950	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R951	ERJ3GEYJ153V	Chip, 15kΩ 1/16W	
R952	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R953	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R954	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R964	ERJ6GEYJ471	Chip, 470Ω 1/10W	
R969	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R970	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R971	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R981	ERJ6GEYJ152	Chip, 1.5kΩ 1/10W	
R982	ERJ6GEYJ152	Chip, 1.5kΩ 1/10W	
R983	ERJ6GEYJ152	Chip, 1.5kΩ 1/10W	
R984	ERJ6GEYJ182	Chip, 1.8kΩ 1/10W	
R985	ERJ6GEYJ152	Chip, 1.5kΩ 1/10W	
R986	ERJ6GEYJ182	Chip, 1.8kΩ 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
CONNECTORs			
CN901	K1NZ16D00001	Connector, 16P	
CN902	K1MN30BA0074	Connector, 30P	
CN904	YEAE0103IWK	Connector, 3P	
CN905	YEAE0103IWK	Connector, 3P	
SWITCHes			
SW901	K9AA024A0013	Switch	
SW902	K0H1BA000445	Switch	
SW903	K0H1BA000445	Switch	
SW905	K0H1BA000445	Switch	
SW906	K0H1BA000445	Switch	
SW907	K0H1BA000445	Switch	
SW908	K0H1BA000445	Switch	
SW909	K0H1BA000445	Switch	
SW910	K0H1BA000445	Switch	
SW911	K0H1BA000445	Switch	
SW912	K0H1BA000445	Switch	
SW913	K0H1BA000445	Switch	
SW914	K0H1BA000445	Switch	
CRYSTAL			
XL900	H0J125500008	Crystal Oscillator	
LCD			
LCD901	L5F000000009	LCD	
NETWORK RESISTORs			
RA901	D1H822140004	Network Resistor	
RA902	D1H822140004	Network Resistor	
RA903	D1H822140004	Network Resistor	
RA904	D1H822140004	Network Resistor	
RA905	D1H822140004	Network Resistor	
RA907	D1H822140004	Network Resistor	
RA908	D1H822140004	Network Resistor	
RA909	D1H822140004	Network Resistor	
RA910	D1H822140004	Network Resistor	
RA911	D1H822140004	Network Resistor	
THERMISTOR			
TH900	D4CC14730002	Thermistor	
Accessories			
PRINTINGs			
	YEFM285649	Operating Instructions	
	YEFM293924	Installation Instructions	
	YEFM293925	Installation Instructions	
	YEFM293926	Installation Instructions	
INSTALLATION PARTs			
	YEFA131646	Removable Face Plate Case	
	EUR7641010	Remote Control Unit (including a battery)	
	CR2025/1F	Lithium Battery	⚠
	YEAJ02872	Power Connector	
	YEFX0217222	Mounting Collar	
	YEFC050001	Trim Plate	
	YEP0FZ5711	Screw Kit (Lock Cancel Plate, Bolt, ISO Antenna Adapter)	
MISCELLANEOUS			
CN1	K1NZ16H00002	Connector, 16P	
ANT51	YEAA10090	Antenna Receptacle	
AP2	YEAP2879	FPC	

Ref. No.	Part No.	Part Name & Description	Remarks
AT1	K4ZZ01000048	Terminal	
AT2	K4ZZ01000048	Terminal	
AT3	K4ZZ01000048	Terminal	
HP1	YEAT03324	Terminal	
HP2	YEAT03324	Terminal	
1	YEFA032032	Upper Cover	
2	YEP0FX5797	Removable Face Plate Unit	RTL
3	YEFA132027	Back Cover, Detachable	
5	YGP0PT9572Y9	Display PCB w/Component	RTL
8	YEFK061259	Transparent Plate	
9	YEFX9995567	Shad	
11	YEFX0013087	Prism Mirror	
12	YEFV023451	Optical Shade, LCD901	
13	YEFX0013084	Transparent Plate, VOL	
14	YEFX0217216	Case, LCD901	
15	YEFX9995490	Spacer	
17	YESFC02182	Detachable Face Ass'y	
18	YEFE07551	Knob, VOLUME	
19	YEFX0052572	Moving Plate	
20	YEFE139647	Button, SOURCE	
21	YEFE139463	Button, SQ	
22	YEFE139467	Button, TA	
23	YEFE139648	Button, MUTE	
24	YEFE139469	Button, MENU	
25	YEFE139649	Button, CD Eject	
26	YEFX0053029	Spring	
27	YEFE139650	Button, Relase	
28	YEFE139472	Button, DISP	
29	YEFE139475	Button, BAND	
30	YEFE139481	Button, TUNE/TRACK Cap	
31	YEFE139569	Button, TUNE/TRACK Base	
33	YEFM031550	Laser Seal	
34	YEFM031551	Laser Seal	
35	YEFR041000	Cap	
36	YEFA08710AK	Rear Plate	
38	YEFX0071004	Clamper, CN251, CN253	
41	YGP0PT3042U9	Main/Connector w/Component	RTL
42	YEFF011230	Heat Sink	
43	YEFX0217229	Bracket, IC701	
44	YEFX0213945B	Bracket, IC271	
45	YEFX0216269	Bracket, IC730	
47	YEP9FX352	Drive Mechanism Ass´y	
48	YEFA131827	Flexible PCB Case	
50	YEFA07669	Front Plate	
51	YEFC028113	Rear Cover, Escutcheon	
52	YEFS02431	Pad, Escutcheon	
53	YEFX0012368	Transparent Plate, Escutheon	
54	YEFS012112	Pad, Escutcheon	
55	YEFC028112	Front Cover, Escutcheon	
57	YEFX0217230	Bracket, CN302	
72	YEJS06404A	Binding Screw	
73	YEJT03333A	Tapping Screw	
74	XQN2+BG8FJK	Tapping Screw, 2*8	
75	XSB3+14FJ	Binding Screw, 3*14	
76	XSB3+6FJ	Binding Screw, 3*6	
78	XQN2+C4FJK	Binding Screw, 2*4	
80	XTB3+6FFJ	Screw, 3*6	
81	XTB26+6FFJ	Tapping Screw, 2.6*6	
84	XTB26+8GFJ	Tapping Screw, 2.6*8	

16 EXPLODED VIEW (Unit) [CQ-C7301N]



17 CD PLAYER PARTS LIST

Notes :

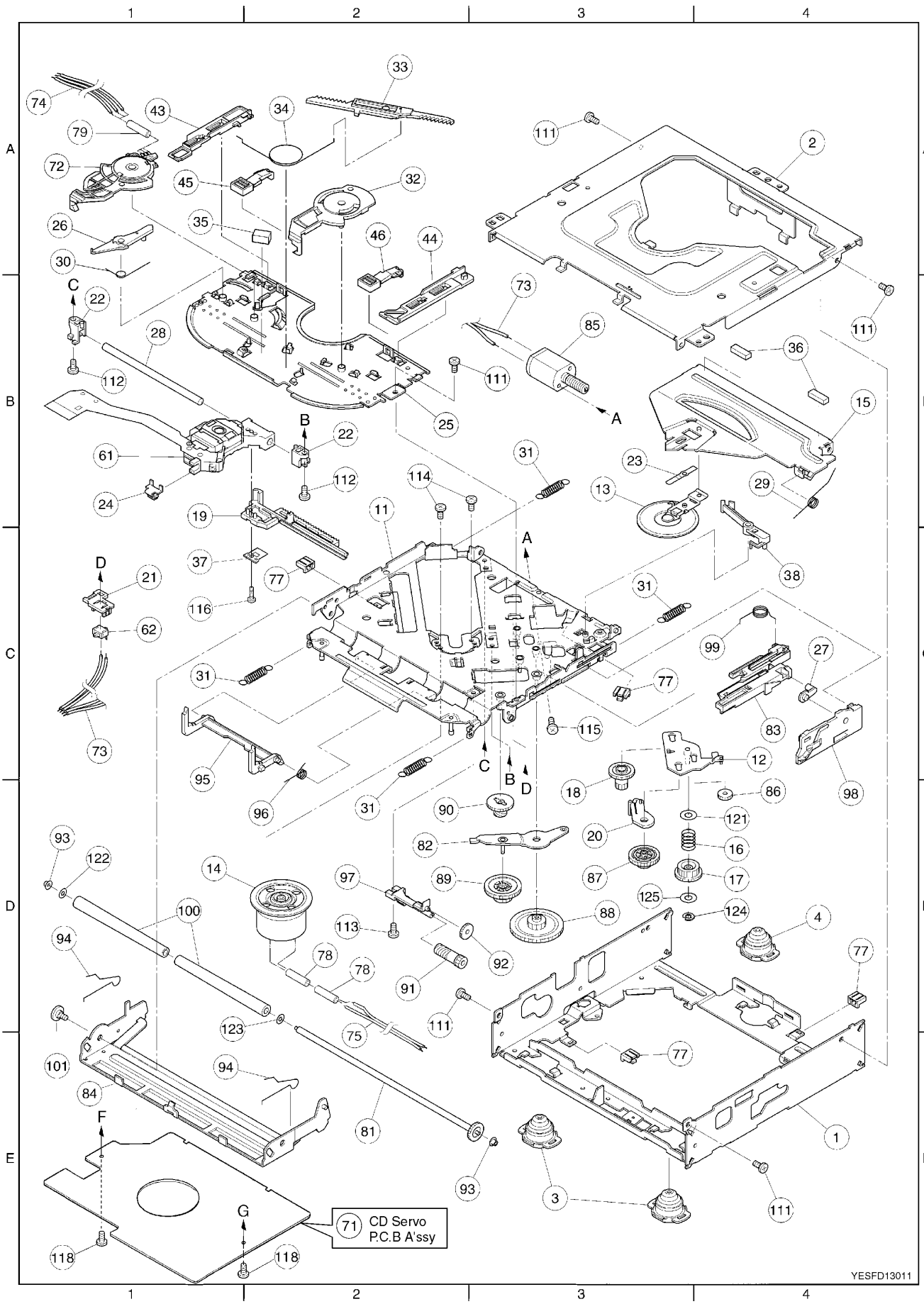
1. Be sure to make your orders of replacement parts according to this list.
2. Important safety notice: Components, identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer´s specified parts.
3. Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.
4. The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.
   - Order intake period is basically six months after the first shipment.

Ref. No.	Part No.	Part Name & Description	Remarks
[3032-14-14] CD Servo Block			
IC´s and TRANSISTORs			
IC101	YESAM272	IC	
IC201	YESAM279	IC	
IC401	YESAM275	IC	
IC402	YESAM280	IC	
IC403	YESAM171	IC	
IC404	YESAM178	IC	
IC405	YESAM270	IC	
Q101	YESAN086	Transistor	
Q201	YESAN086	Transistor	
CAPACITORs			
C302	YESCC203	Ceramic, 220pF 50WV	
C101	YESCC187	Ceramic, 0.1µF 25WV	
C102	YESCC384	Ceramic, 0.033µF 50WV	
C103	YESCC206	Ceramic, 0.047µF 25WV	
C104	YESCC207	Ceramic, 0.001µF 50WV	
C106	YESCC204	Ceramic, 330pF 50WV	
C107	YESCC187	Ceramic, 0.1µF 25WV	
C108	YESCC206	Ceramic, 0.047µF 25WV	
C110	YESCC383	Ceramic, 0.33µF 10WV	
C112	YESCC209	Ceramic, 0.0033µF 50WV	
C113	YESCC187	Ceramic, 0.1µF 25WV	
C114	YESCC298	Ceramic, 0.015µF 50WV	
C115	YESCC187	Ceramic, 0.1µF 25WV	
C116	YESCC382	Ceramic, 680pF 50WV	
C117	YESCC207	Ceramic, 0.001µF 50WV	
C118	YESCC187	Ceramic, 0.1µF 25WV	
C119	YESCC187	Ceramic, 0.1µF 25WV	
C120	YESCC187	Ceramic, 0.1µF 25WV	
C121	YESCC187	Ceramic, 0.1µF 25WV	
C122	F1H1H101A231	Ceramic, 100pF 50WV	
C124	YESCC187	Ceramic, 0.1µF 25WV	
C125	YESCC187	Ceramic, 0.1µF 25WV	
C151	YESCC388	Electrolytic, 100µF 16WV	
C154	YESCC390	Electrolytic, 220µF 10WV	
C204	YESCC209	Ceramic, 0.0033µF 50WV	
C205	YESCC184	Ceramic, 0.0047µF 50WV	
C206	YESCC187	Ceramic, 0.1µF 25WV	
C207	YESCC202	Ceramic, 22pF 50WV	
C210	YESCC187	Ceramic, 0.1µF 25WV	
C251	YESCC390	Electrolytic, 220µF 10WV	
C252	YESCC390	Electrolytic, 220µF 10WV	
C253	YESCC389	Electrolytic, 470µF 6.3WV	
C301	YESCC203	Ceramic, 220pF 50WV	
C303	YESCC185	Ceramic, 0.01µF 50WV	
C304	YESCC185	Ceramic, 0.01µF 50WV	
C305	YESCC382	Ceramic, 680pF 50WV	
C306	YESCC382	Ceramic, 680pF 50WV	
C307	YESCC187	Ceramic, 0.1µF 25WV	
C351	YESCC381	Ceramic, 10µF 6.3WV	
C352	YESCC381	Ceramic, 10µF 6.3WV	
C353	YESCC391	Electrolytic, 100µF 16WV	
C354	YESCC390	Electrolytic, 220µF 10WV	
C401	YESCC187	Ceramic, 0.1µF 25WV	
C402	YESCC187	Ceramic, 0.1µF 25WV	
C403	YESCC187	Ceramic, 0.1µF 25WV	
C404	YESCC187	Ceramic, 0.1µF 25WV	
C405	YESCC187	Ceramic, 0.1µF 25WV	
C406	YESCC187	Ceramic, 0.1µF 25WV	
C407	YESCC187	Ceramic, 0.1µF 25WV	
C408	YESCC210	Ceramic, 1µF 16WV	
C409	YESCC187	Ceramic, 0.1µF 25WV	
C410	YESCC210	Ceramic, 1µF 16WV	
C411	YESCC187	Ceramic, 0.1µF 25WV	
C412	YESCC187	Ceramic, 0.1µF 25WV	
C413	YESCC187	Ceramic, 0.1µF 25WV	
C414	YESCC187	Ceramic, 0.1µF 25WV	
C415	YESCC187	Ceramic, 0.1µF 25WV	
C416	YESCC210	Ceramic, 1µF 16WV	
C417	YESCC187	Ceramic, 0.1µF 25WV	
C418	YESCC210	Ceramic, 1µF 16WV	
C419	YESCC187	Ceramic, 0.1µF 25WV	
C421	YESCC210	Ceramic, 1µF 16WV	
C422	YESCC187	Ceramic, 0.1µF 25WV	
C451	YESCC389	Electrolytic, 470µF 6.3WV	
C452	YESCC389	Electrolytic, 470µF 6.3WV	
C454	YESCC388	Electrolytic, 100µF 16WV	
RESISTORs			
J101-105	ERJ8GX0R00V	Chip, 0Ω 1/4W	
L102	YESRG241	Chip, 0Ω	
L201	YESRG241	Chip, 0Ω	
L304	YESRG241	Chip, 0Ω	
R101	YESRG234	Chip, 4.7Ω 1/10W	
R102	ERJ3GEY0R00V	Chip, 0Ω 1/4W	
R103	YESRG227	Chip, 2.2kΩ 1/10W	
R104	YESRG227	Chip, 2.2kΩ 1/10W	
R105	ERJ3GEY0R00V	Chip, 0Ω 1/4W	
R106	YESRG230	Chip, 3.3kΩ 1/10W	
R107	YESRG230	Chip, 3.3kΩ 1/10W	
R108	ERJ3GEY0R00V	Chip, 0Ω 1/4W	
R109	YESRG238	Chip, 56kΩ 1/10W	
R110	YESRG228	Chip, 22kΩ 1/10W	
R114	YESRG240	Chip, 82kΩ 1/10W	
R116	YESRG239	Chip, 820Ω 1/10W	
R117	ERJ3GEY0R00V	Chip, 0Ω 1/4W	
R118	YESRG223	Chip, 10kΩ 1/10W	
R119	YESRG233	Chip, 47kΩ 1/10W	
R120	ERJ3GEY0R00V	Chip, 0Ω 1/4W	
R121	ERJ3GEY0R00V	Chip, 0Ω 1/4W	
R122	ERJ3GEY0R00V	Chip, 0Ω 1/4W	
R123	ERJ3GEY0R00V	Chip, 0Ω 1/4W	
R124	YESRG224	Chip, 100kΩ 1/10W	
R125	ERJ3GEY0R00V	Chip, 0Ω 1/4W	
R126	ERJ3GEY0R00V	Chip, 0Ω 1/4W	
R127	ERJ3GEY0R00V	Chip, 0Ω 1/4W	
R128	ERJ3GEY0R00V	Chip, 0Ω 1/4W	
R201	YESRG243	Chip, 6.8kΩ 1/10W	
R202	ERJ3GEY0R00V	Chip, 0Ω 1/4W	
R204	YESRG222	Chip, 1kΩ 1/10W	
R205	ERJ3GEY0R00V	Chip, 0Ω 1/4W	
R206	YESRG242	Chip, 15kΩ 1/10W	
R207	ERJ3GEY0R00V	Chip, 0Ω 1/4W	
R208	YESRG228	Chip, 22kΩ 1/10W	
R209	ERJ3GEY0R00V	Chip, 0Ω 1/4W	
R211	YESRG233	Chip, 47kΩ 1/10W	
R215	YESRG237	Chip, 5.6kΩ 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R216	YESRG237	Chip, 5.6kΩ 1/10W	
R217	YESRG222	Chip, 1kΩ 1/10W	
R218	YESRG237	Chip, 5.6kΩ 1/10W	
R301	YESRG229	Chip, 330Ω 1/10W	
R302	YESRG229	Chip, 330Ω 1/10W	
R305	YESRG222	Chip, 1kΩ 1/10W	
R306	YESRG222	Chip, 1kΩ 1/10W	
R307	YESRG233	Chip, 47kΩ 1/10W	
R308	YESRG233	Chip, 47kΩ 1/10W	
R401	YESRG223	Chip, 10kΩ 1/10W	
R402	YESRG223	Chip, 10kΩ 1/10W	
R403	YESRG223	Chip, 10kΩ 1/10W	
R404	YESRG233	Chip, 47kΩ 1/10W	
R405	YESRG232	Chip, 4.7kΩ 1/10W	
R406	YESRG226	Chip, 220Ω 1/10W	
R407	YESRG230	Chip, 3.3kΩ 1/10W	
R408	YESRG227	Chip, 2.2kΩ 1/10W	
R409	YESRG221	Chip, 100Ω 1/10W	
R410	YESRG223	Chip, 10kΩ 1/10W	
R411	YESRG226	Chip, 220Ω 1/10W	
R412	YESRG230	Chip, 3.3kΩ 1/10W	
R413	YESRG232	Chip, 4.7kΩ 1/10W	
R414	YESRG232	Chip, 4.7kΩ 1/10W	
R415	YESRG232	Chip, 4.7kΩ 1/10W	
R416	YESRG232	Chip, 4.7kΩ 1/10W	
R417	YESRG223	Chip, 10kΩ 1/10W	
R419	YESRG226	Chip, 220Ω 1/10W	
R420	YESRG236	Chip, 560Ω 1/10W	
R421	YESRG227	Chip, 2.2kΩ 1/10W	
R422	YESRG224	Chip, 100kΩ 1/10W	
R423	YESRG235	Chip, 56Ω 1/10W	
R424	YESRG235	Chip, 56Ω 1/10W	
R425	YESRG223	Chip, 10kΩ 1/10W	
R426	YESRG223	Chip, 10kΩ 1/10W	
R427	YESRG222	Chip, 1kΩ 1/10W	
R428	YESRG222	Chip, 1kΩ 1/10W	
R429	YESRG222	Chip, 1kΩ 1/10W	
R430	YESRG222	Chip, 1kΩ 1/10W	
R431	YESRG222	Chip, 1kΩ 1/10W	
R432	YESRG222	Chip, 1kΩ 1/10W	
R433	YESRG227	Chip, 2.2kΩ 1/10W	
R435	ERJ3GEY0R00V	Chip, 0Ω 1/4W	
R436	ERJ3GEY0R00V	Chip, 0Ω 1/4W	
R437	ERJ3GEY0R00V	Chip, 0Ω 1/4W	
R438	ERJ3GEY0R00V	Chip, 0Ω 1/4W	
R439	ERJ3GEY0R00V	Chip, 0Ω 1/4W	
R440	ERJ3GEY0R00V	Chip, 0Ω 1/4W	
R441	YESRG221	Chip, 100Ω 1/10W	
CONNECTORs			
CN101	YESAE345	Connector 18P	
CN102	YESAE350	Connector 16P	
COILs			
L101	YESLQ011	Inductor	
L301	YESLQ036	Inductor	
L302	YESLQ036	Inductor	
L401	YESLQ014	Inductor	
L402	YESLQ014	Inductor	
L403	YESLQ014	Inductor	
L404	YESLQ033	Inductor	
L405	YESLQ033	Inductor	
L406	YESLQ033	Inductor	
CRYSTAL			
X401	YESXL018	Crystal	
RESISTOR NETWWORKs			
RA401	YESXA003	Resistor Network, 56Ω * 4	
RA402	YESXA003	Resistor Network, 56Ω * 4	
RA403	YESXA002	Resistor Network, 100Ω * 4	
RA404	YESXA002	Resistor Network, 100Ω * 4	
RA405-412	YESXA003	Resistor Network, 56Ω * 4	
MECHANICAL PARTS			
MISCELLANEOUS			
1	YESFX046136	Frame	
2	YESFX046137	Top Cover	
3	YERFS04003	Damper F	
4	YERFS04004	Damper R	
11	YESFX046138	Chassis Rivet Ass´y	
12	YERFX046001	Change Plate Rivet Ass´y	
13	YERFX007001	Clamper Ass´y	
14	YESAK01041	Spindle Motor Ass´y	
15	YERFX046002	Clamper Arm	
16	YERFX005001	Changer Gear Spring	
17	YERFX03001	Changer Gear 2	
18	YERFX03002	Feed Gear	
19	YERFX03003	Feed Rack M	
20	YERFX046003	Changer Lock Lever	
21	YERFW04001	Feed Switch Holder	
22	YERFW04002	PU Shaft Holder	
23	YERFX005002	Clamper Sub Spring	
24	YERFW04003	FD Sub Holder	
25	YESFX046139	Top Plate	
26	YERFX046004	Select Lock Arm	
27	YERFX046006	Slide Hook	
28	YERFW01001	PU Shaft	
29	YERFX005003	Clamper Arm Spring	
30	YERFX005004	Select Lock Arm Spring	
31	YERFX005013	Suspension Spring	
32	YESFX046140	Select Arm R	
33	YERFX03004	Link Plate	
34	YESFX005137	Link Plate Spring	
35	YERFS01001	Cushion F	
36	YERFS01002	Cushion R	
37	YERFX005014	Feed Spring Plate	
38	YERFX046005	Trigger Arm	
43	YERFX046008	Select Plate L	
44	YERFX046009	Select Plate R	
45	YERFX046010	Select Piece L	
46	YERFX046011	Select Piece R	
61	YESSZCDM023	Optical Pick-up Ass´y	
62	YERAS0001	Detect Switch	
71	YESAP393	Servo PCB Ass´y	RTL
72	YERAS0002	Mode Switch	
73	YESAJ07014	LD Wire	
74	YESAJ07015	SW Wire	
75	YESAJ07016	SP Wire	
77	YERFX999001	Wire Clamper	
78	YESFX024021	Wire Tube SPM	
79	YESFX024022	Wire Tube MSW	
81	YERFX03005	Roller Shaft Ass´y	
82	YERFX046012	Loading Gear Plate Rivet Ass´y	
83	YERFX046013	Loading Plate Ass´y	
84	YESFX046173	Lock Arm Rivet Ass´y	
85	YESAK01042	Loading/Feed Motor Ass´y	
86	YERFX03006	Loading Gear 1	
87	YERFX03007	Loading Gear 2	
88	YERFX03008	Loading Gear 3	
89	YERFX03009	Loading Gear 4	
90	YERFX03010	Loading Gear 5	
91	YERFX03011	Loading Gear 6	
92	YERFX03012	Loading Gear 7	
93	YESFW05023	Roller Guide	
94	YERFX005007	Rller Guide Spring	
95	YERFX046015	Disk Stopper Arm	
96	YERFX005008	Disk Stop Arm Spring	
97	YERFX046016	LD Gear Bracket	
98	YESFX046174	L Slide Plate	
99	YERFX005009	Loading Plate Spring	

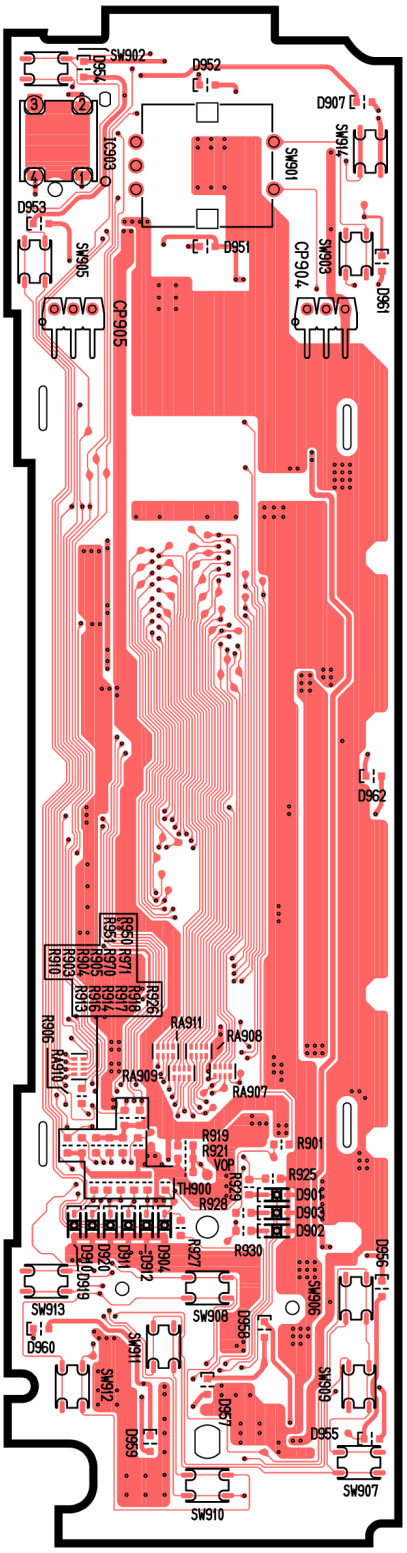
Ref. No.	Part No.	Part Name & Description	Remarks
100	YESFX046150	Loading Roller	
101	YESJS01175	Collar Screw	
111	YERJT01001	Tapping Screw 2*3	
112	YERJT01002	Tapping Screw 2*4	
113	YEJT03117	Tapping Bind Screw 2*4	
114	YERJS01002	Camera Screw 1.7*1.8	
115	YERJS01003	Camera Screw 2*2	
116	YERJS01004	Camera Tapping Screw 1.7*5	
118	YESJS01148	Screw 2*4	
121	YERJW01001	P Washer 3.5*8*0.3	
122	YERJW01002	HL Washer 3.5*8*0.3	
123	YERJW01003	Lumilar Washer 3.1*6*0.1	
124	YEJE01028	E Ring S 1.5	
125	YERJW01005	P Washer 2.1*4*0.3	

18 EXPLODED VIEW (CD PLAYER)

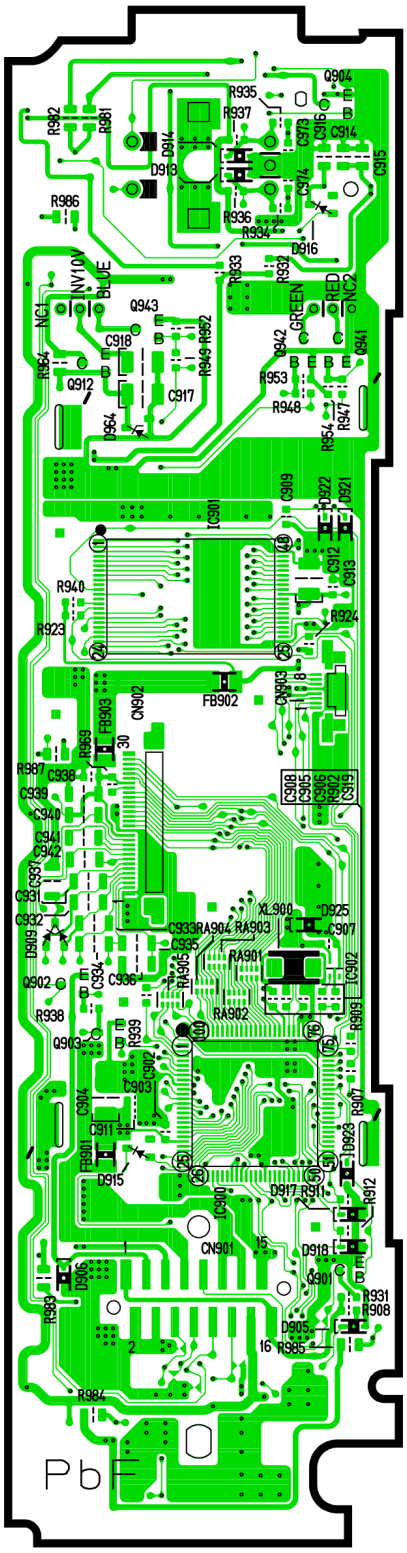


19 WIRING DIAGRAM

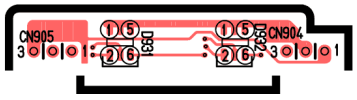
19.1. Display/LED Block



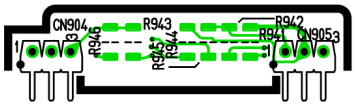
[E-9572a][Top View]



[E-9572a][Bottom View]



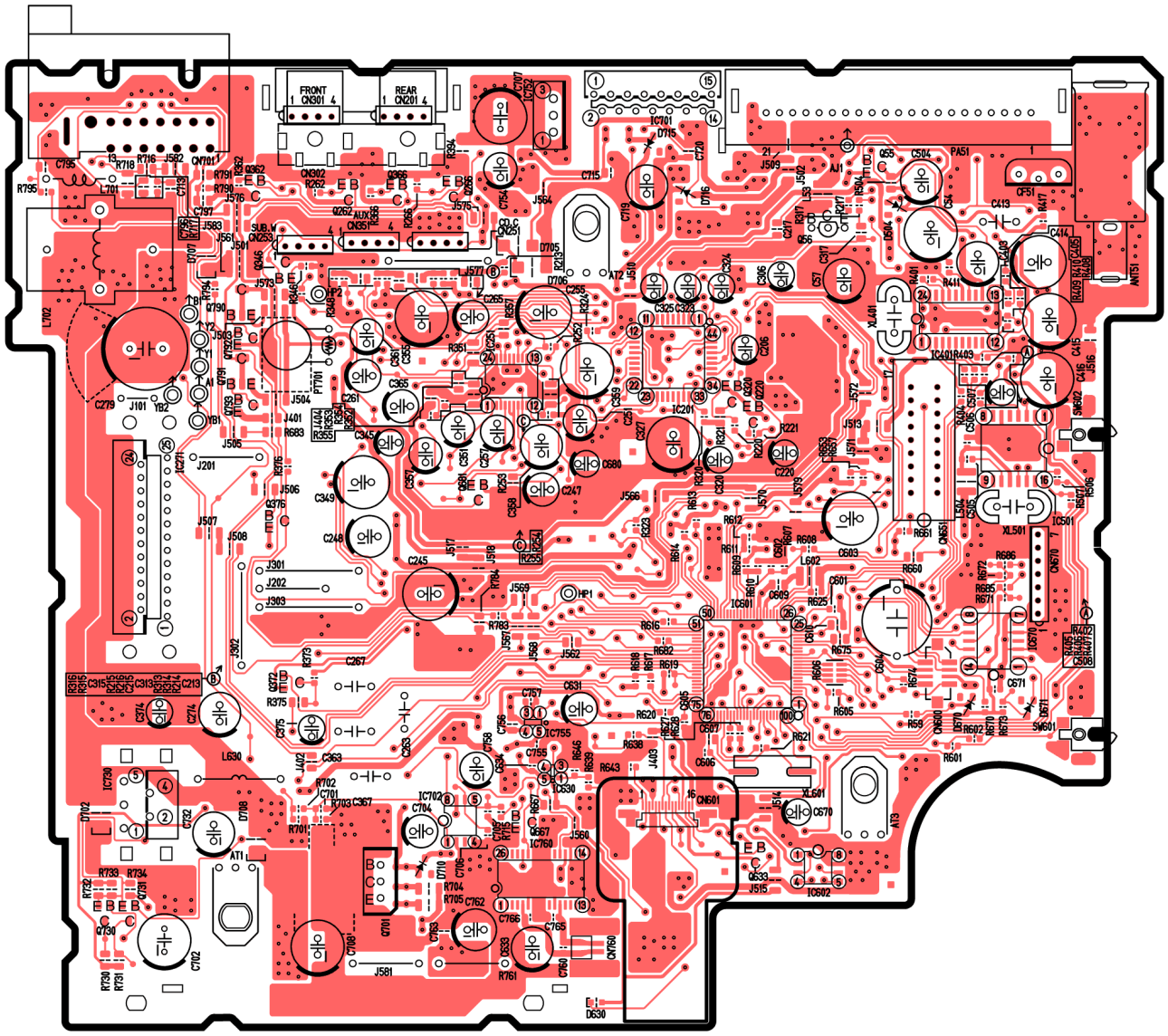
[E-9572b][Top View]



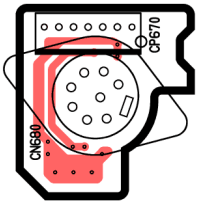
[E-9572b][Bottom View]

CQ-C8351N/C8301N/C7301N Display P.C.B

19.2. Main/Connector Block (Top View)



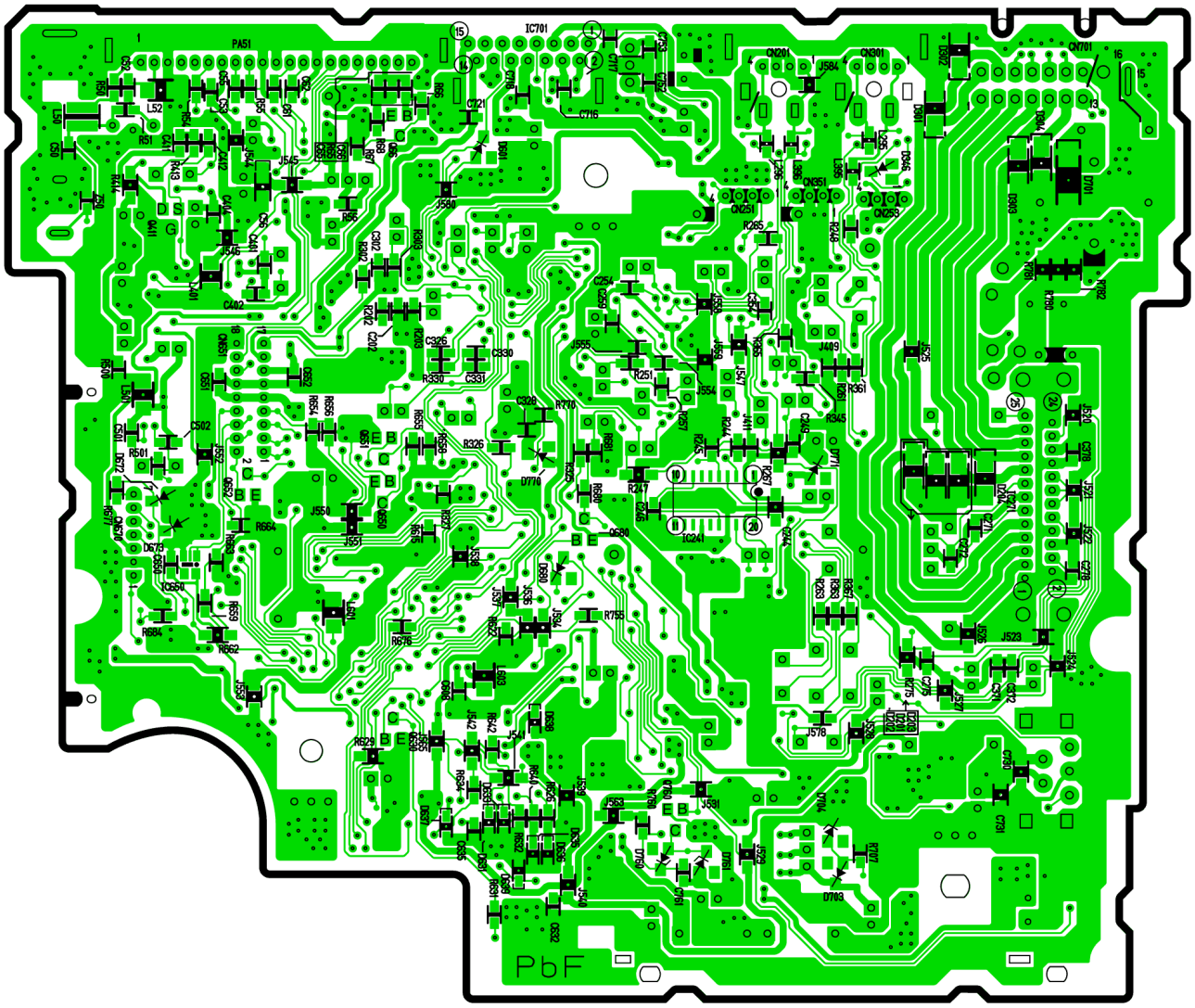
[E-3042a][Top View]



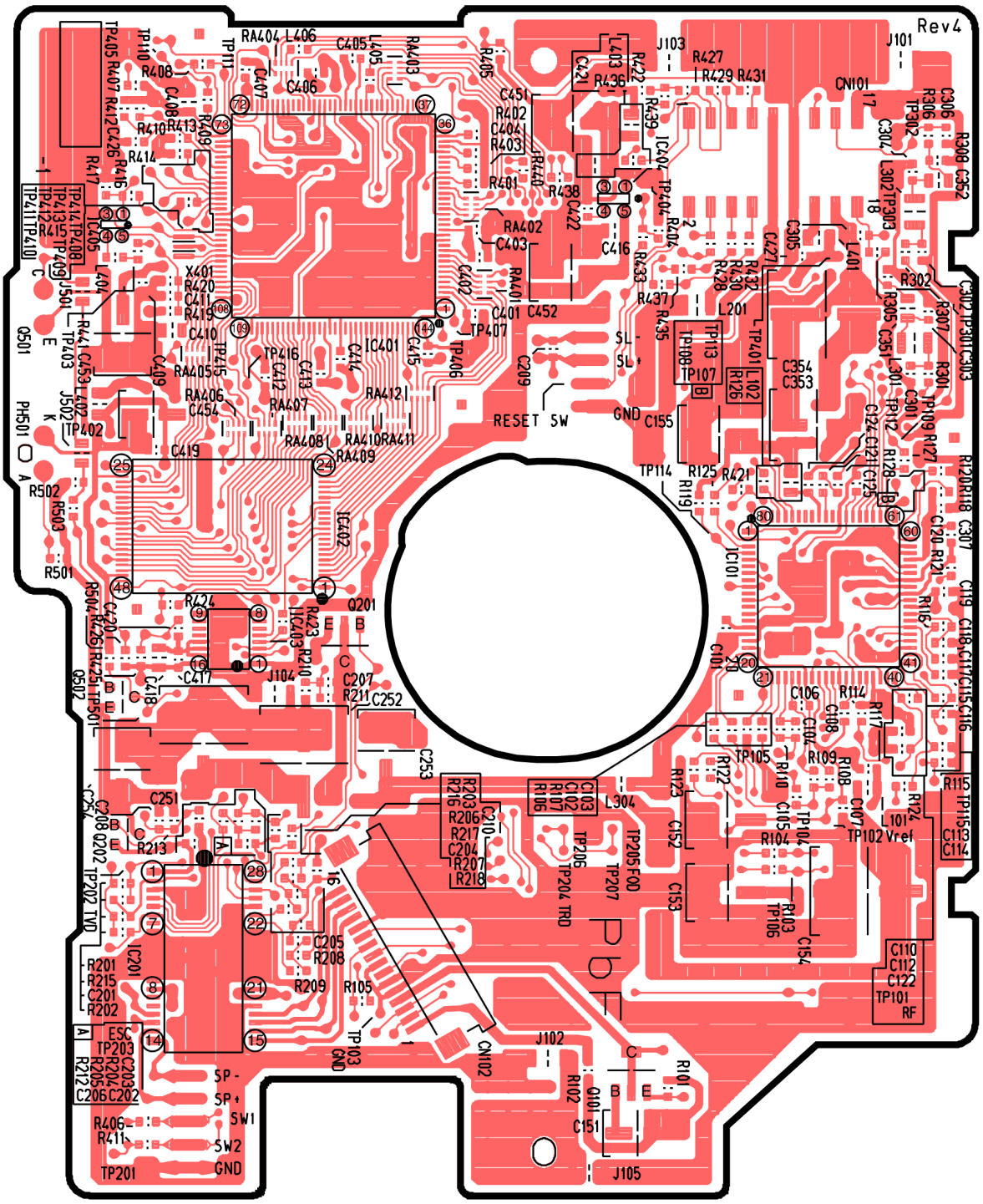
[E-3042b][Top View]

CQ-C8351N/C8301N/C7301N MAIN P.C.B

19.3. Main/Connector Block (Bottom View)



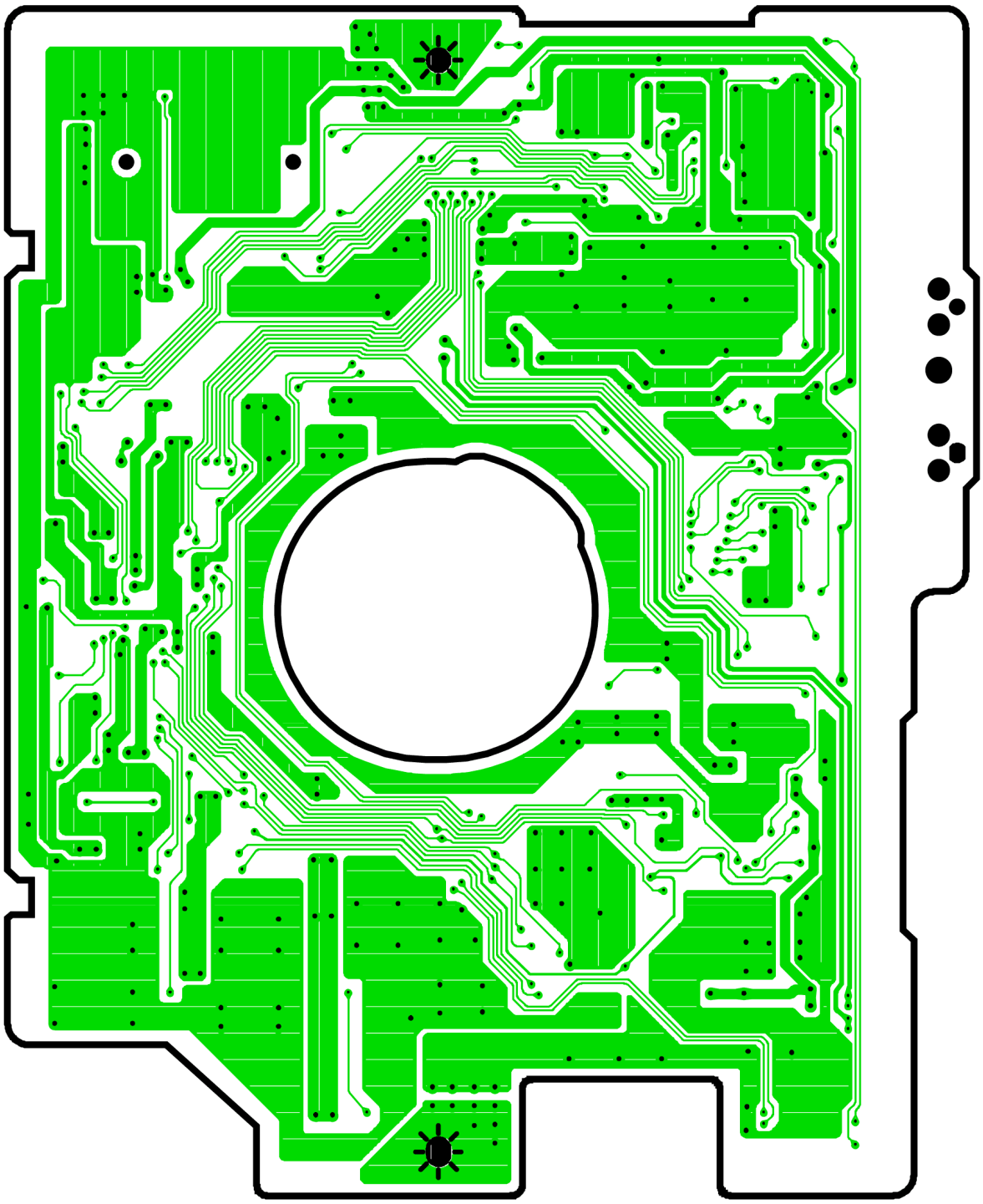
19.4. CD Servo Block (Top View)



[3032-14-14] [Top View]

YESFD13011 CD Servo P.C.B

19.5. CD Servo Block (Bottom View)



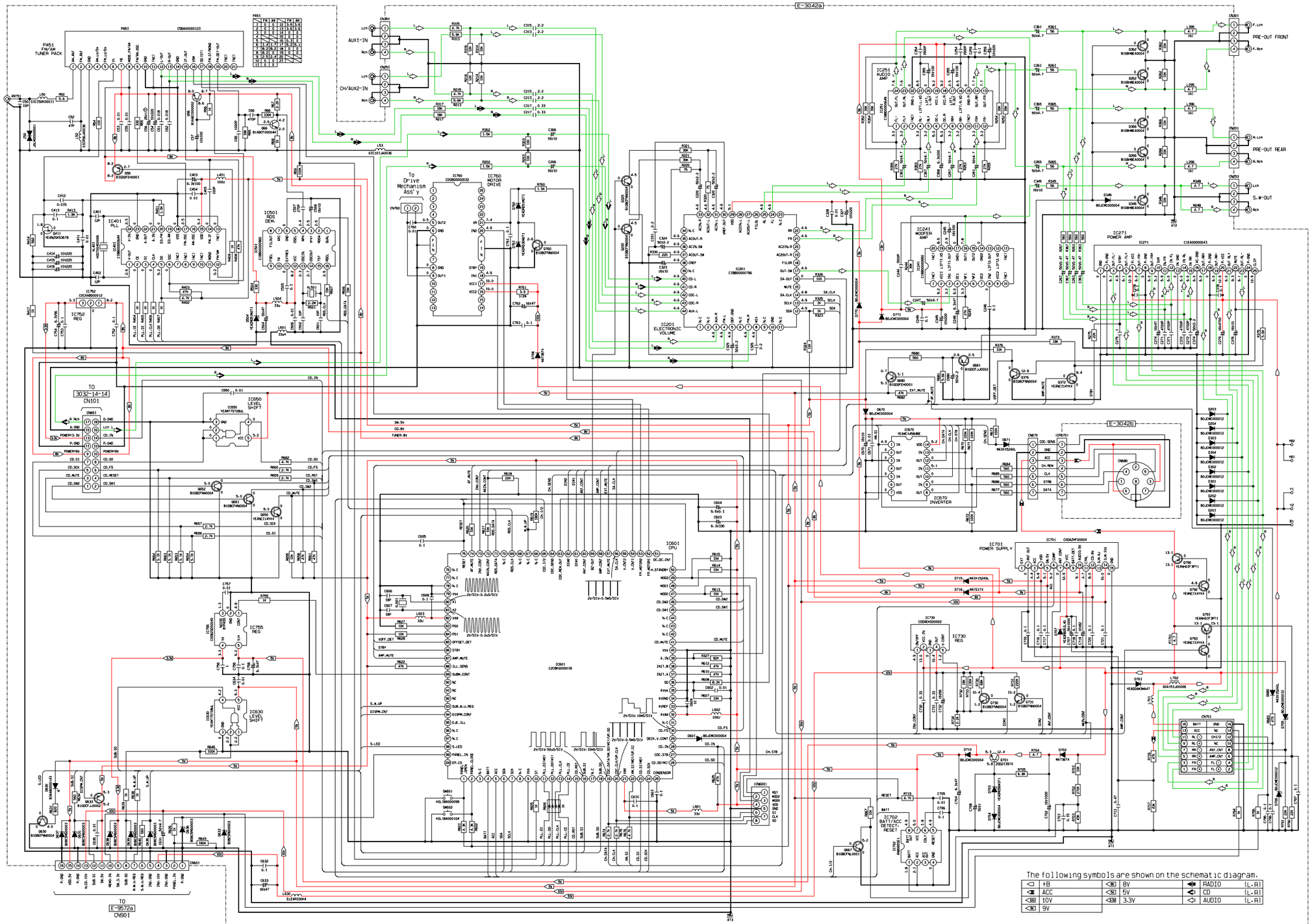
[3032-14-14] [Bottom View]

YESFD13011 CD Servo P.C.B

THIS PAGE IS JUST FOR THE PAGE LAYOUT USE ONLY.

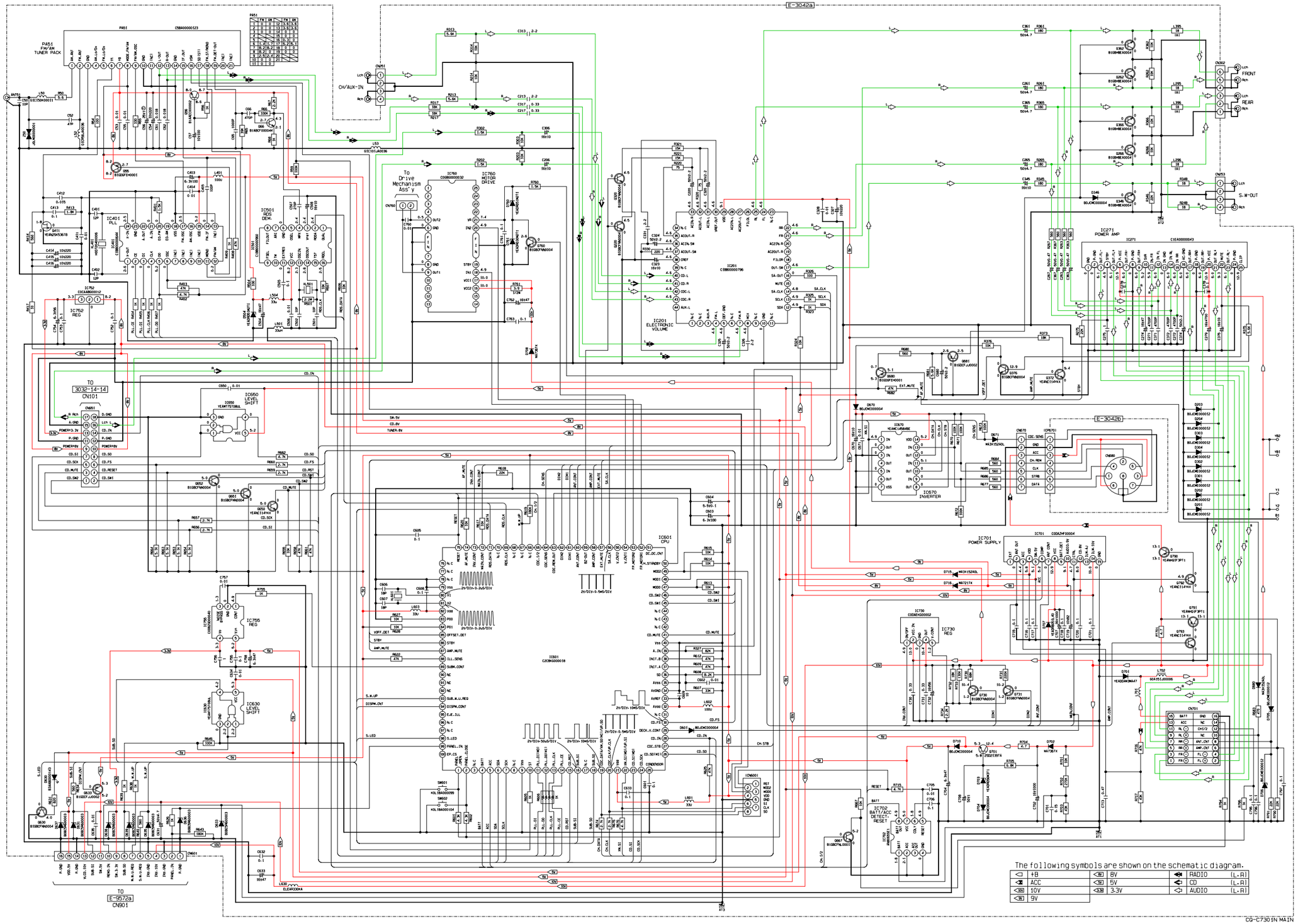
20 SCHEMATIC DIAGRAM

20.1. Main/Connector Block [CQ-C8351N/C8301N]

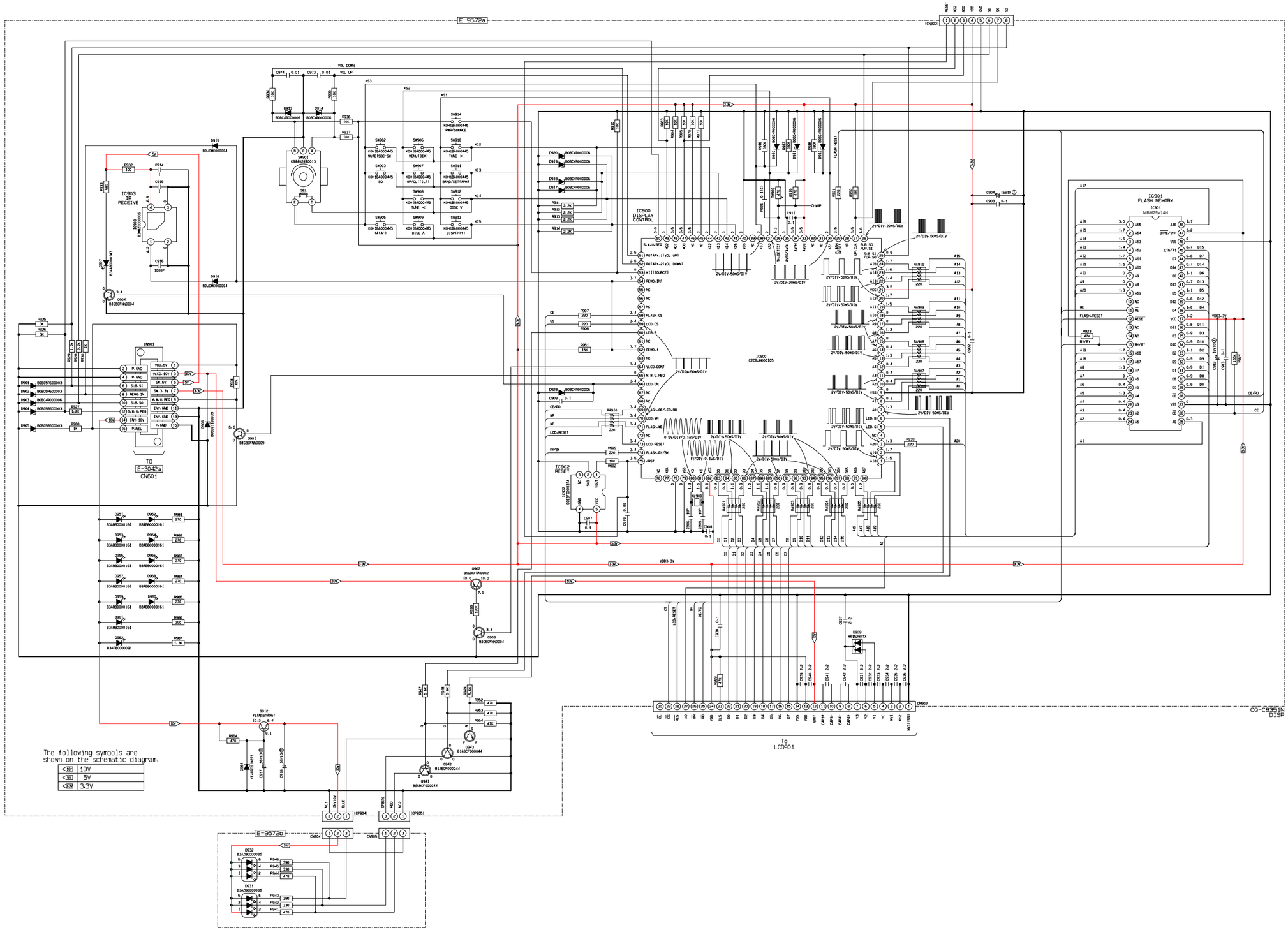


CQ-C8351N/CQ-C8301N MAIN

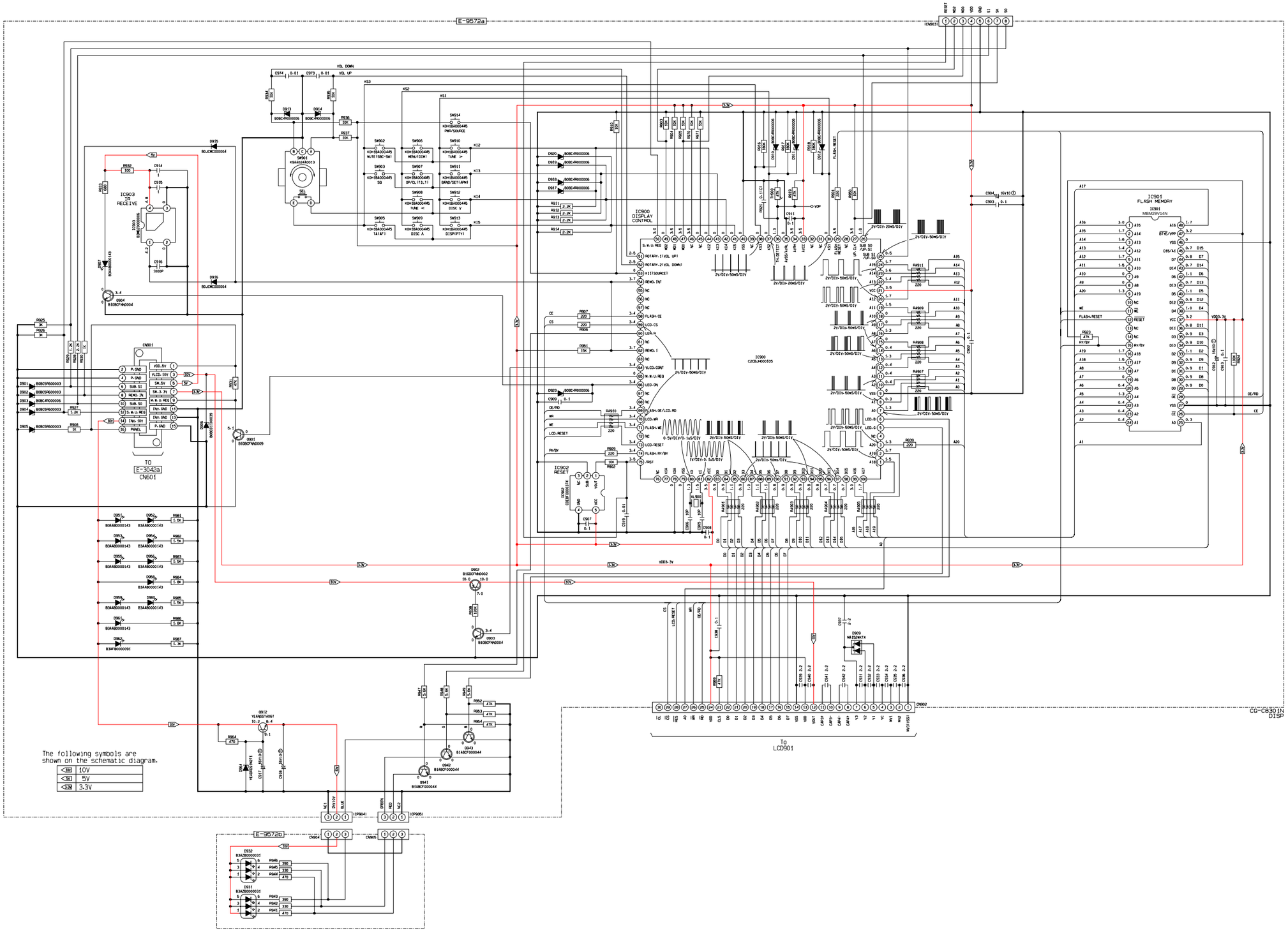
20.2. Main/Connector Block [CQ-C7301N]



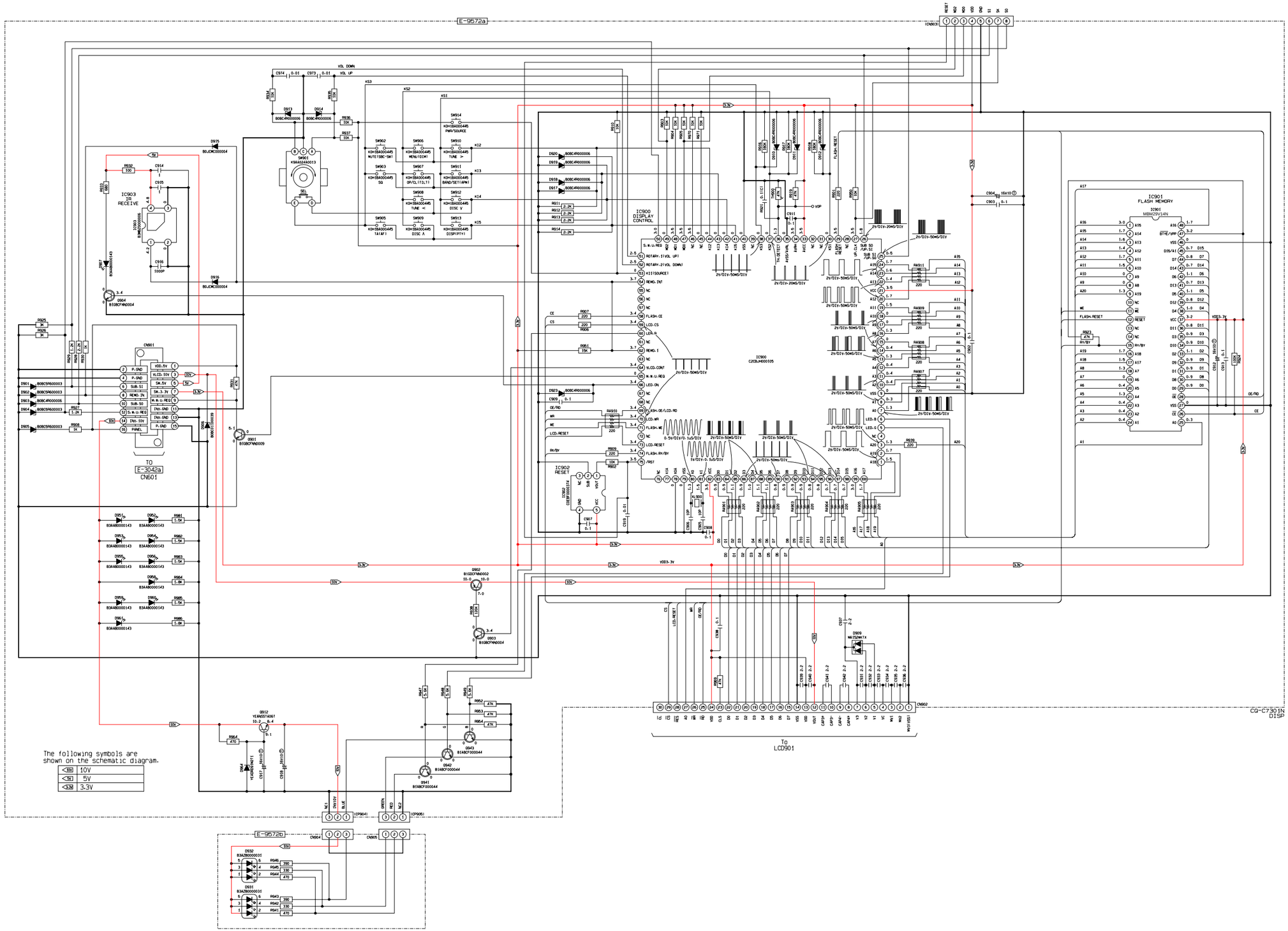
20.3. Display/LED Block [CQ-C8351N]



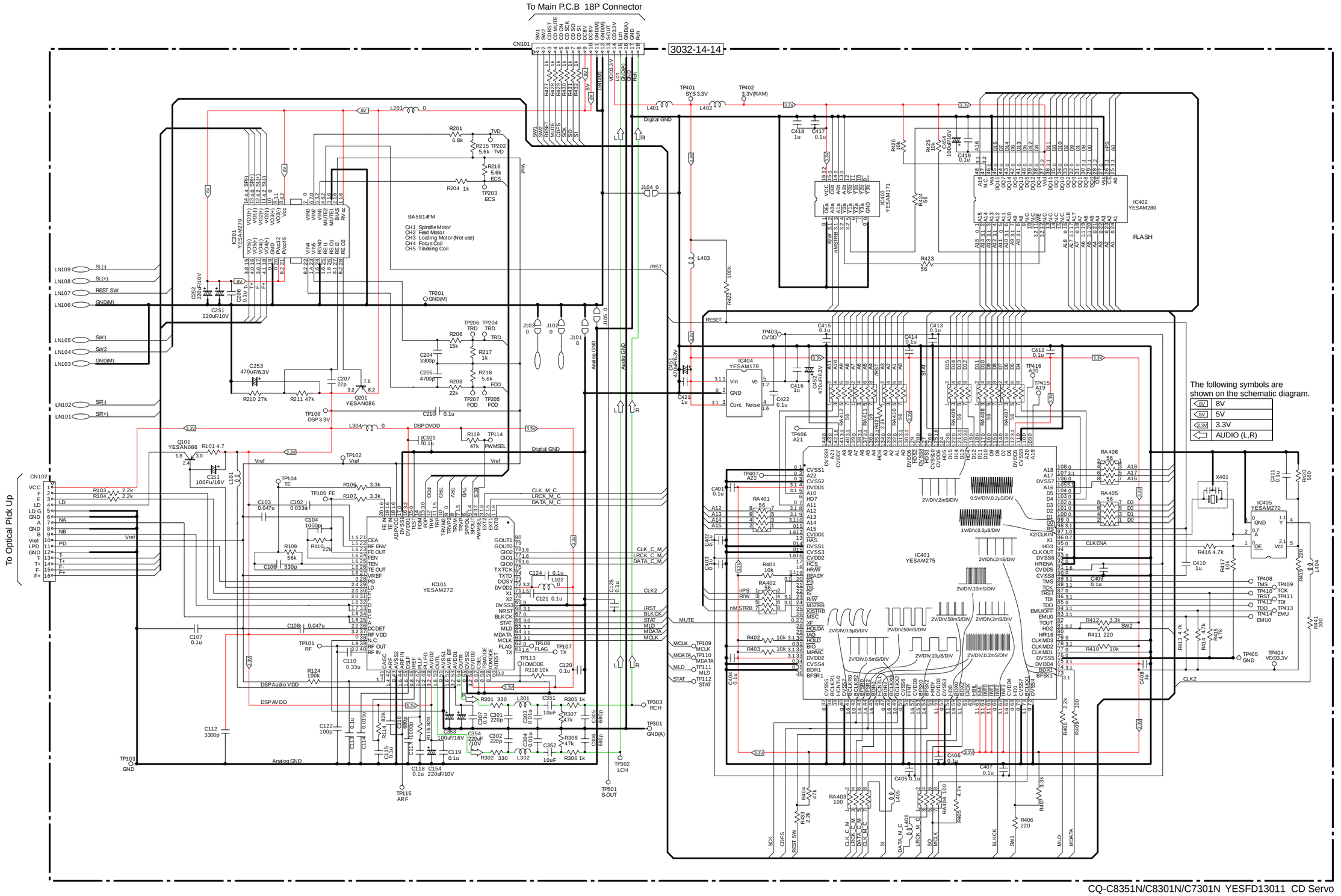
20.4. Display/LED Block [CQ-C8301N]



20.5. Display/LED Block [CQ-C7301N]

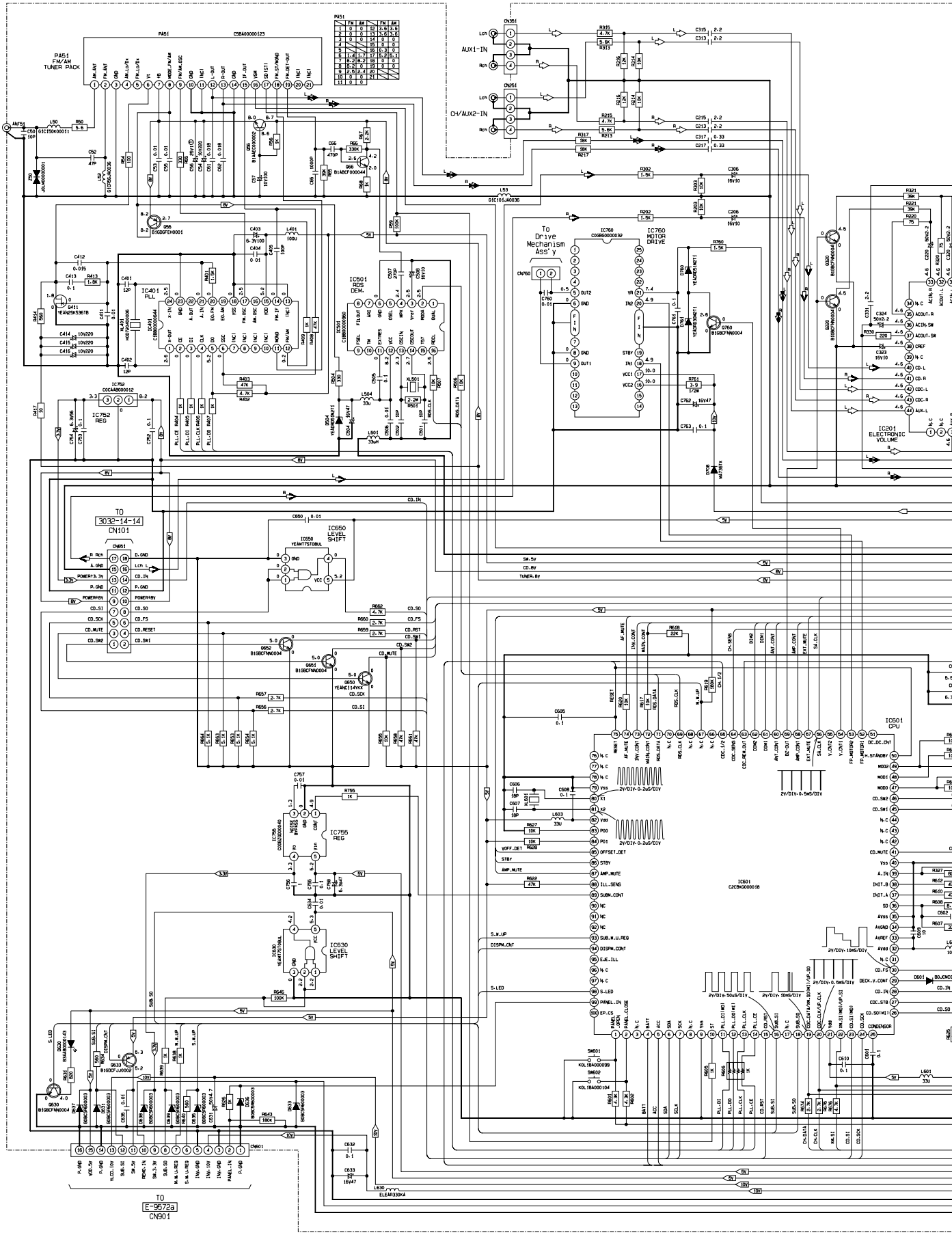


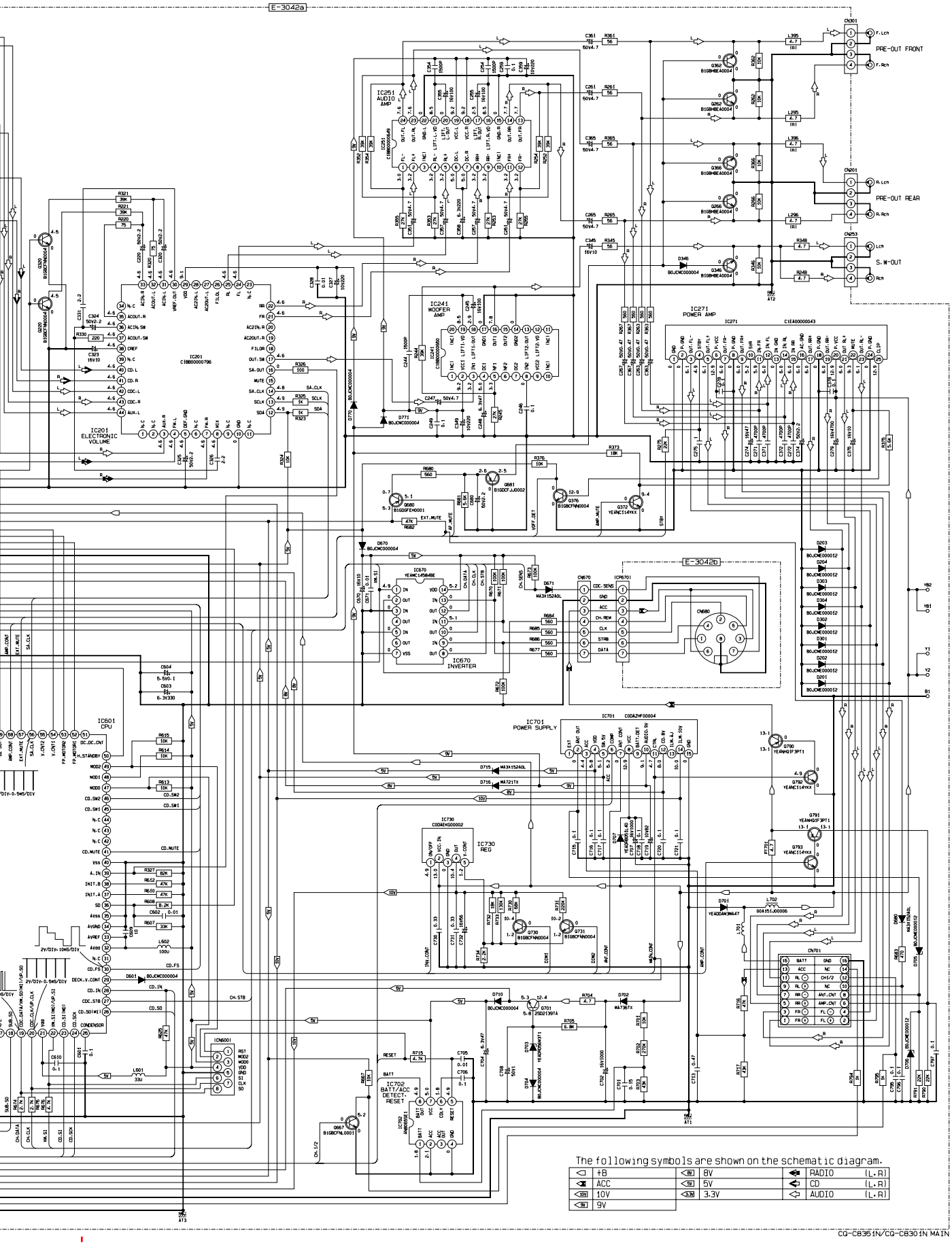
20.6. CD Servo Block



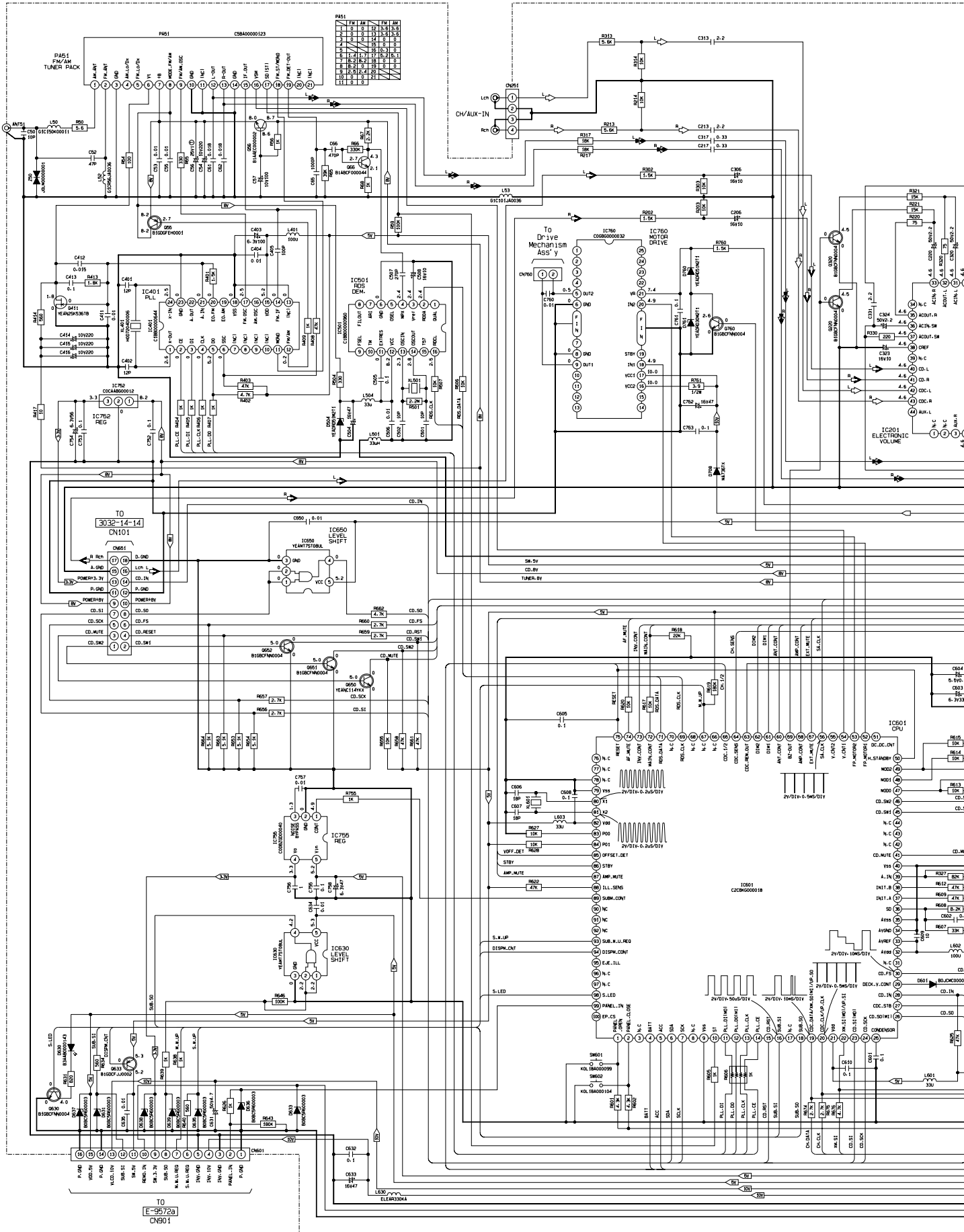
20 SCHEMATIC DIAGRAM

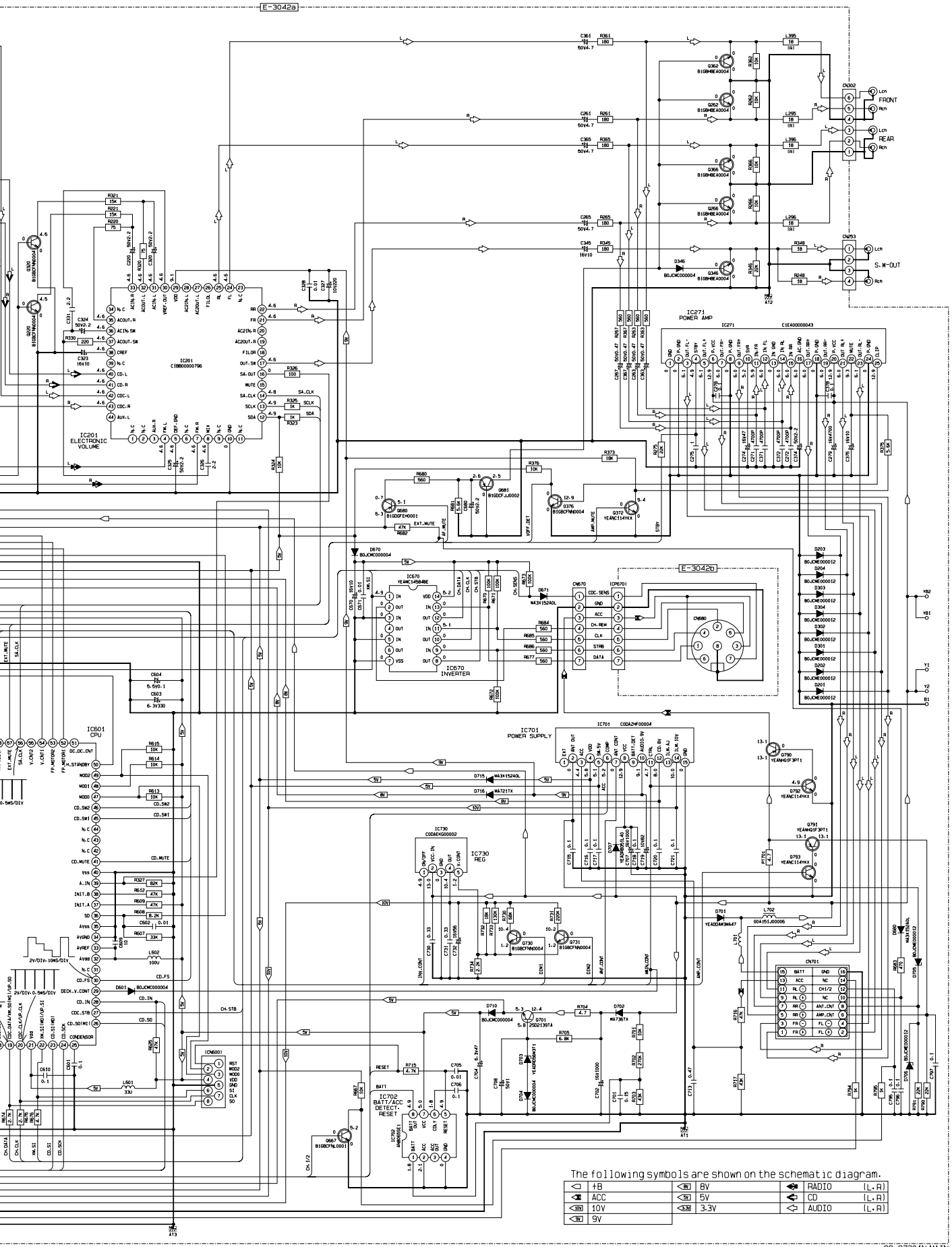
20.1. Main/Connector Block [CQ-C8351N/C8301N]



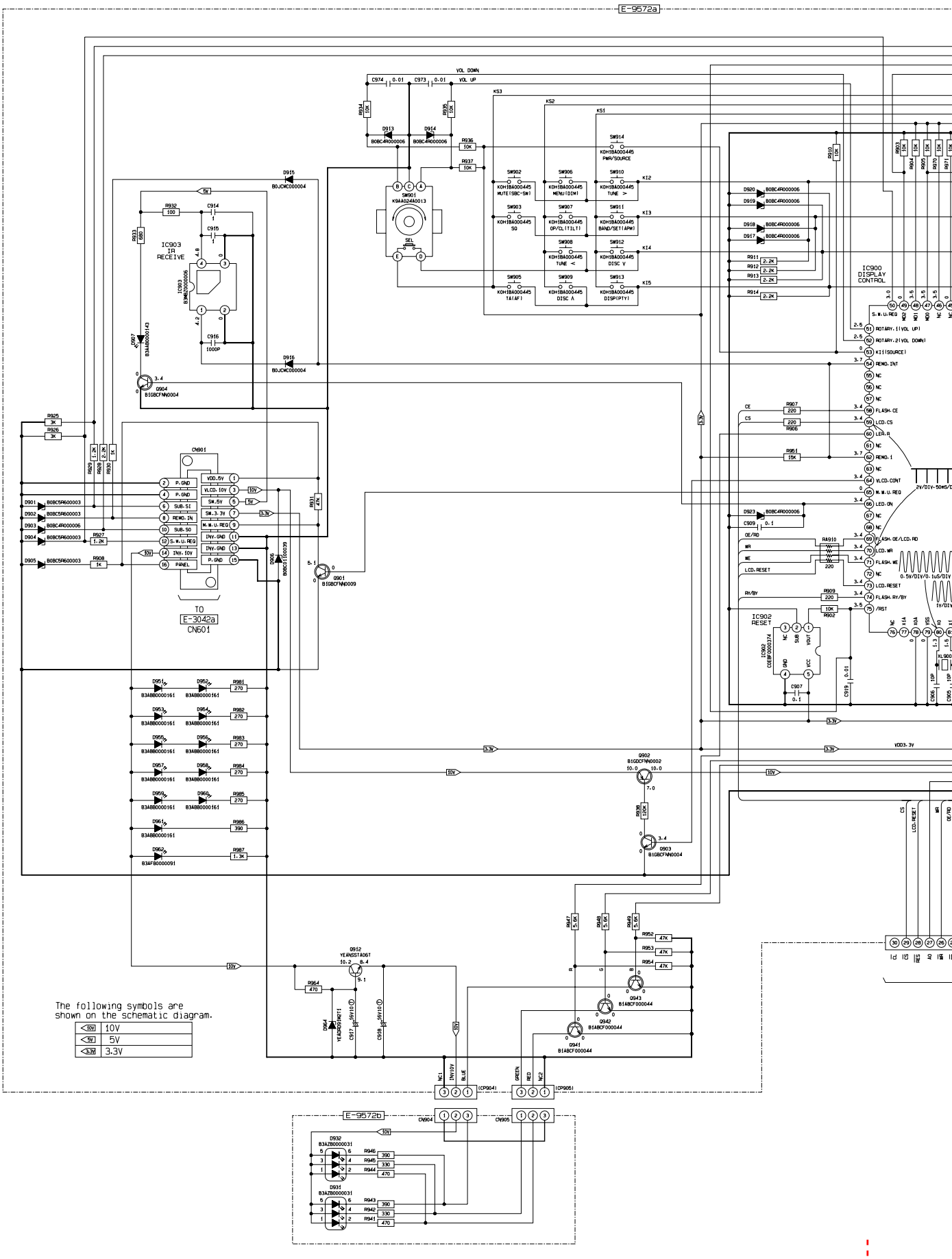

E-3042a
E-3042b
PRE-OUT FRONT
PRE-OUT REAR
S. W-OUT
IC201 ELECTRONIC VOLUME
IC241 WOOFER AMP
IC251 AUDIO AMP
IC271 POWER AMP
IC601 CPU
IC670 INVERTER
IC701 POWER SUPPLY
IC730 REG
IC702 BATT/ACC DETECT+ RESET
The following symbols are shown on the schematic diagram.
+B
ACC
10V
9V
8V
5V
3.3V
RADIO (L.R)
CD (L.R)
AUDIO (L.R)
CQ-C8351N/CQ-C8301N MAIN

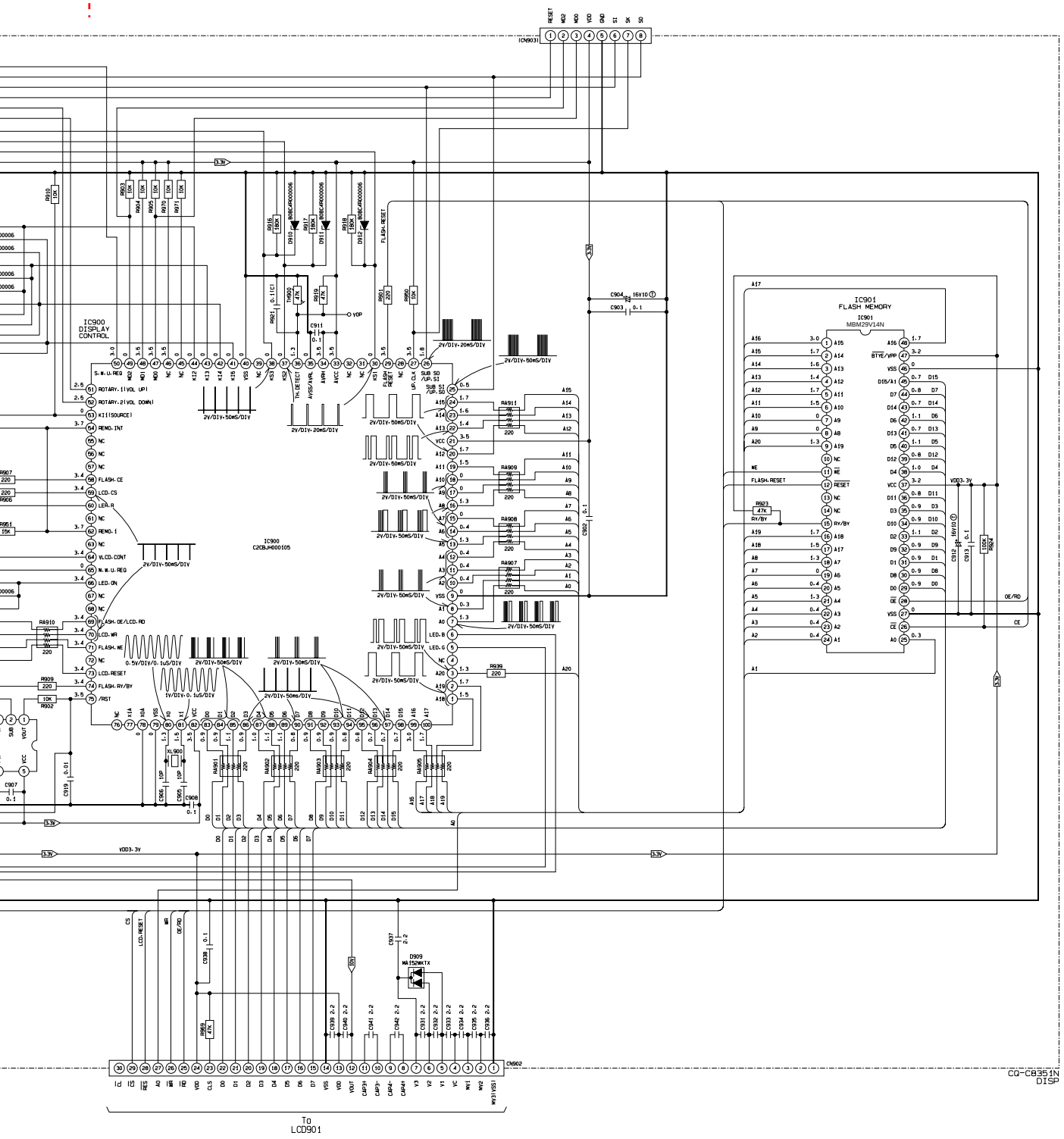
20.2. Main/Connector Block [CQ-C7301N]



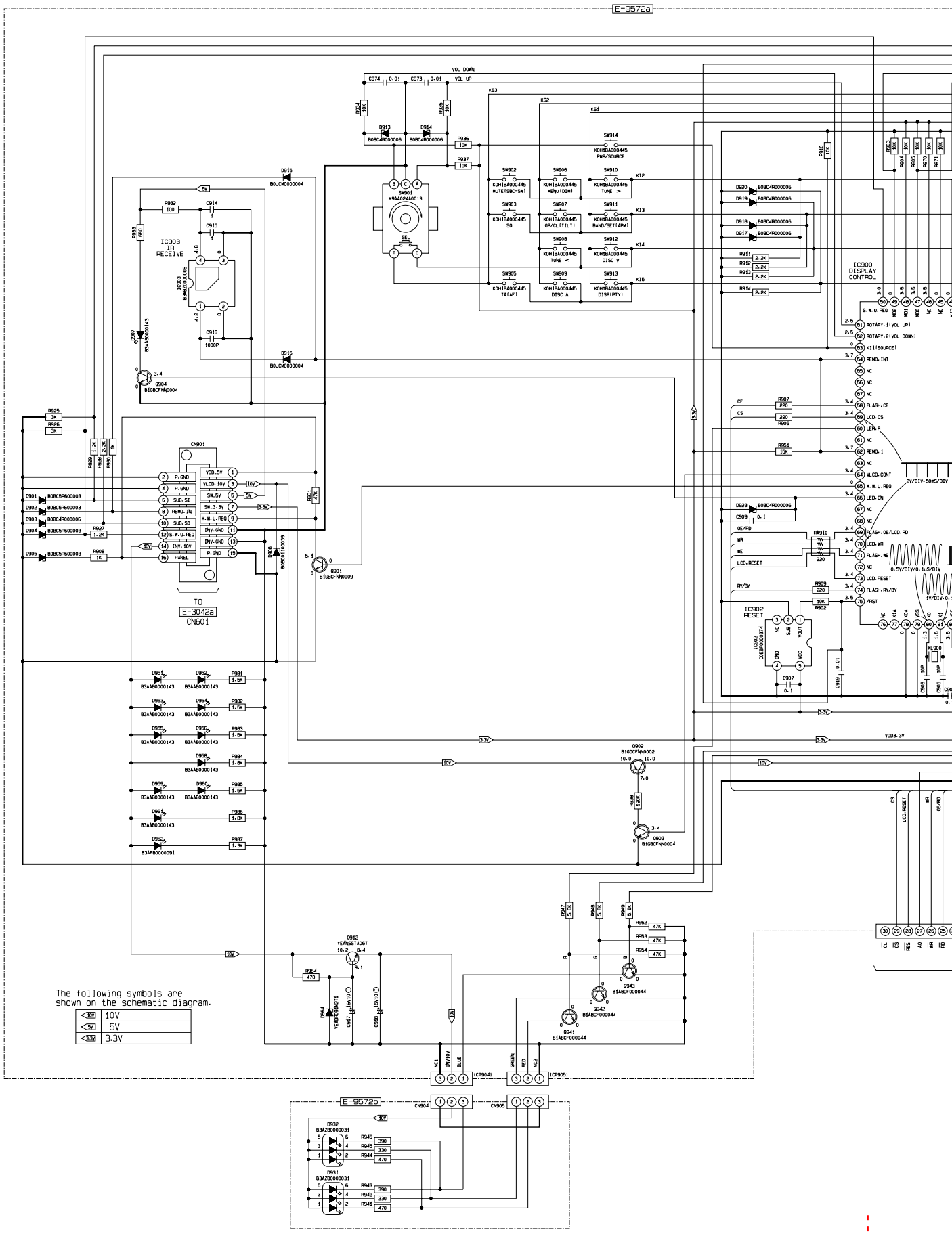

E-3042a
E-3042b
IC201
ELECTRONIC VOLUME
IC271
POWER AMP
IC601
CPU
IC701
POWER SUPPLY
IC730
REG
IC670
INVERTER
IC702
BATT/ACC DETECT-RESET
CN302
FRONT
REAR
S.W-OUT
CN670
CN680
CN701
CN6001
The following symbols are shown on the schematic diagram.
+B
ACC
10V
9V
8V
5V
3.3V
RADIO (L,R)
CD (L,R)
AUDIO (L,R)
CG-C730IN MAIN

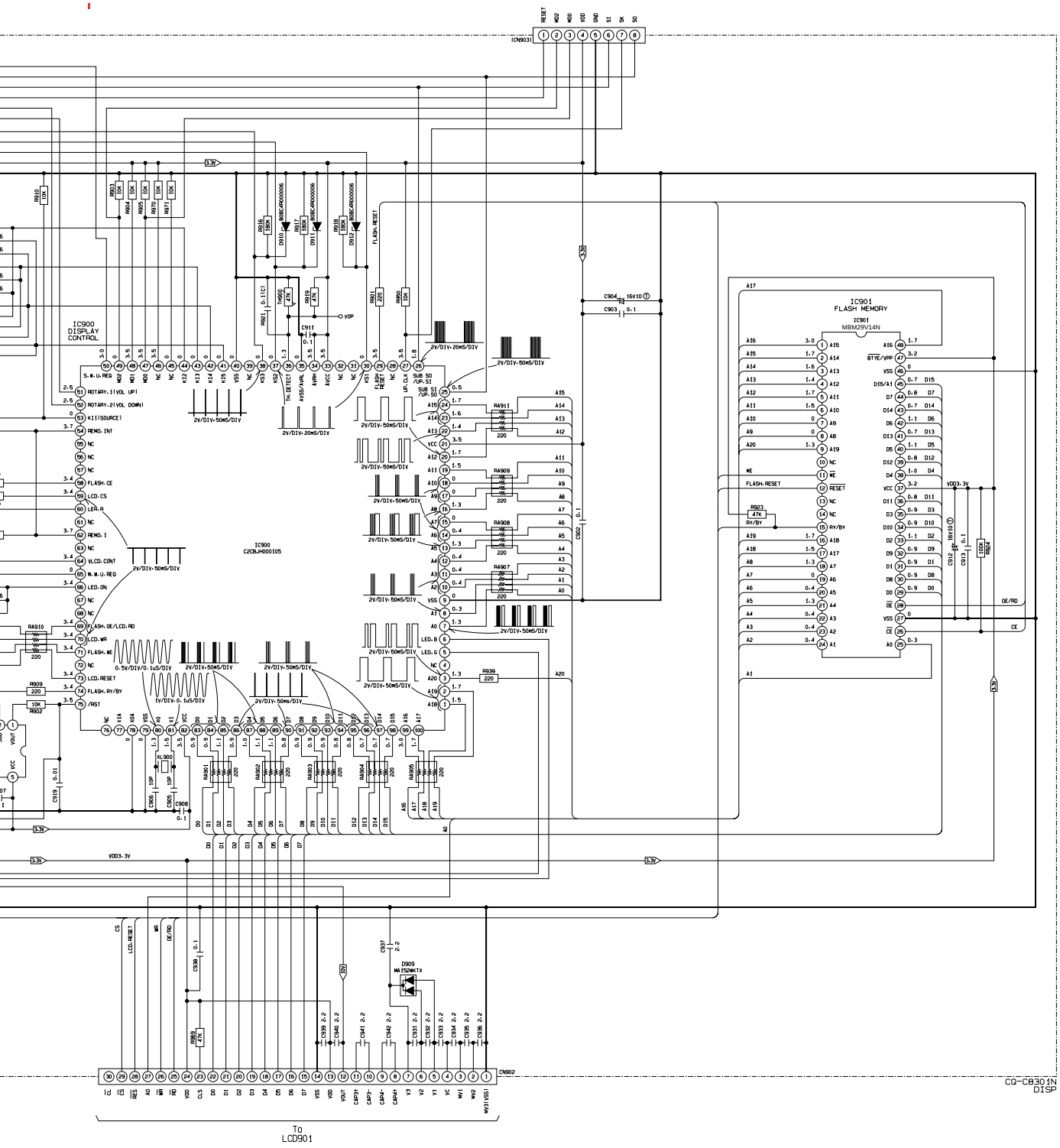
20.3. Display/LED Block [CQ-C8351N]



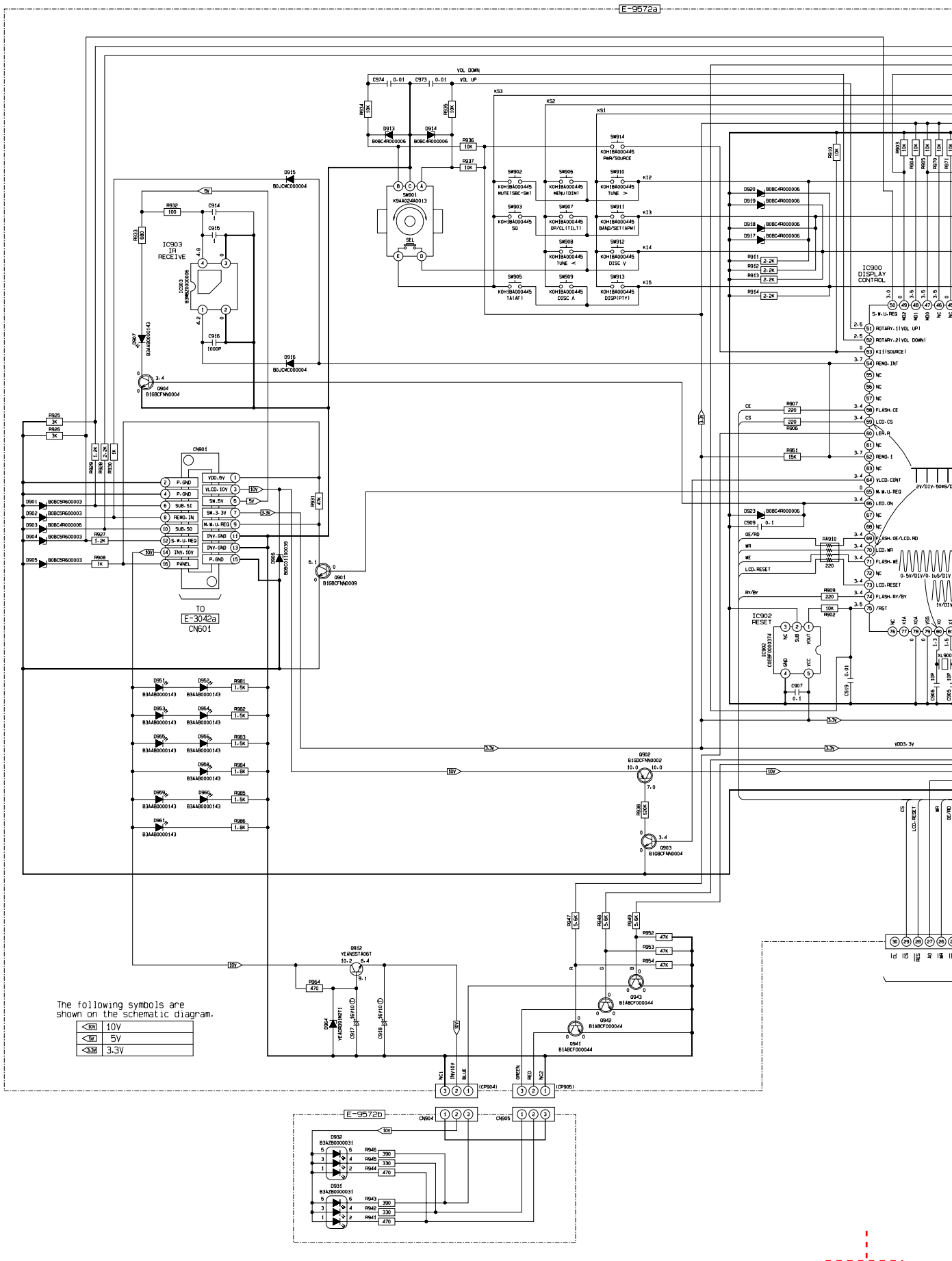

IC900
DISPLAY
CONTROL
IC900
C2CBJH000105
IC901
FLASH MEMORY
IC901
MBM29V14N
CN9031
CN902
RESET
MD2
MD0
VDD
GND
SI
SK
SD
FLASH.RESET
LCD.RESET
FLASH.CE
LCD.CS
LCD.R
REND.1
YLCD.CONT
M.M.U.REQ
LED.ON
FLASH.OE/LCD.RD
LCD.WR
FLASH.WE
LCD.RESET
FLASH.RY/BY
/RST
LED.B
LED.G
ROTARY.1(VOL UP)
ROTARY.2(VOL DOWN)
KI1(SOURCE)
REND.INT
S.M.U.REQ
FLASH.RESET
RY/BY
OE/RD
CE
VDD3.3V
3.3V
5.0V
To
LCD901
CQ-C8351N
DISP

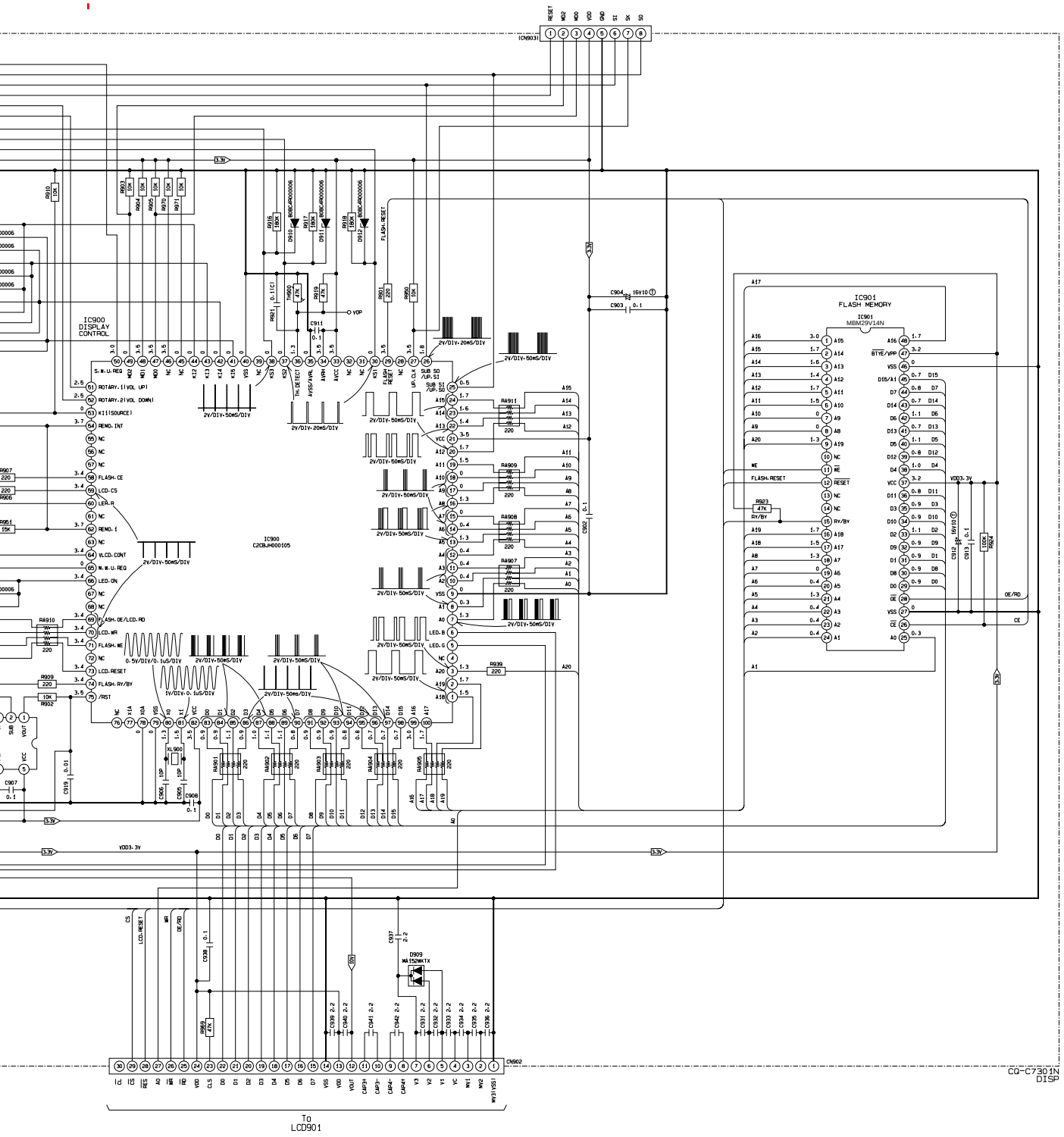
20.4. Display/LED Block [CQ-C8301N]



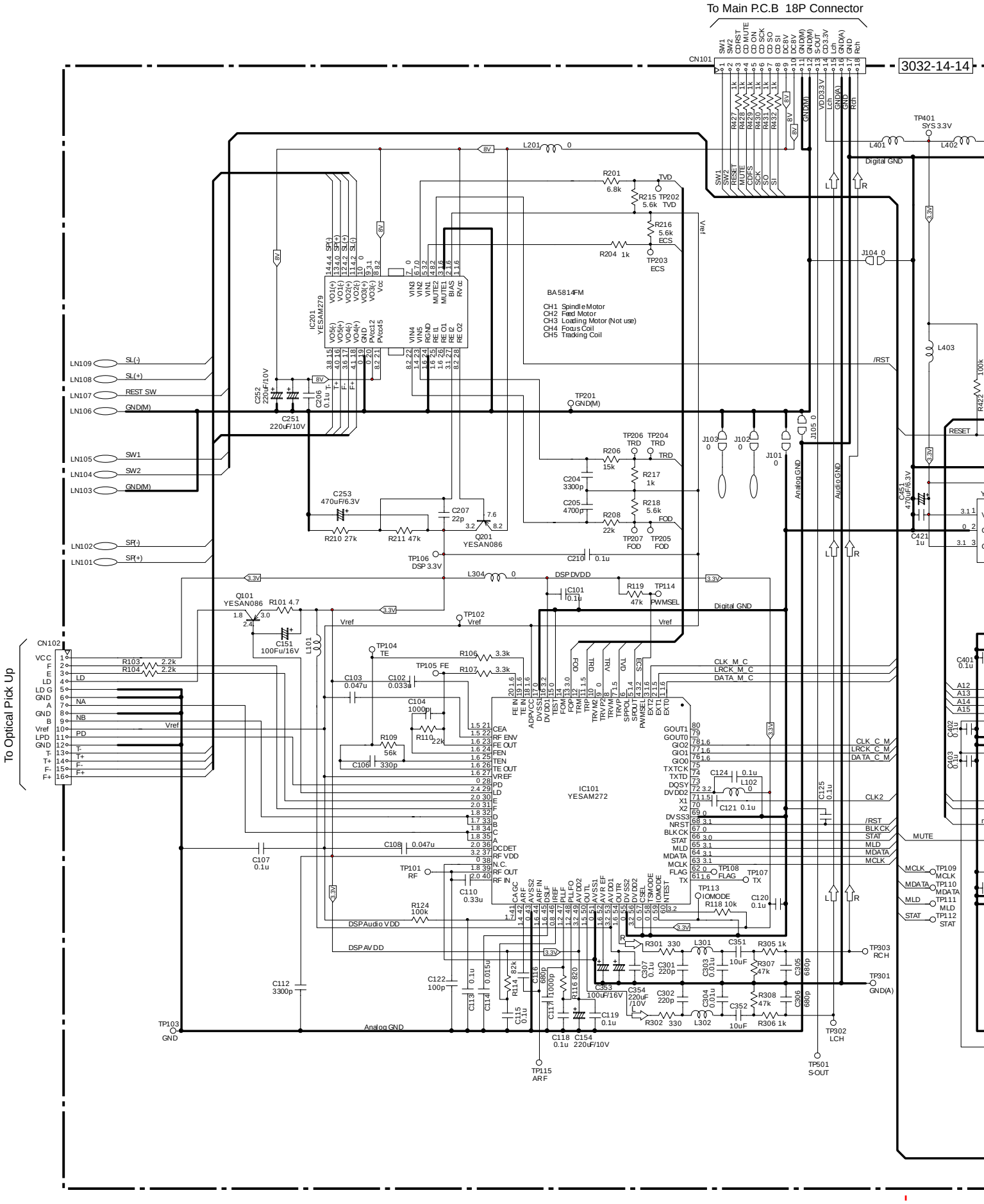

IC900
DISPLAY
CONTROL
IC900
C2CBJM000105
IC901
FLASH MEMORY
IC901
MBM29V14N
CN901
CN902
D909
MA152WKTX
FLASH_RESET
LCD_RESET
To
LCD901

20.5. Display/LED Block [CQ-C7301N]

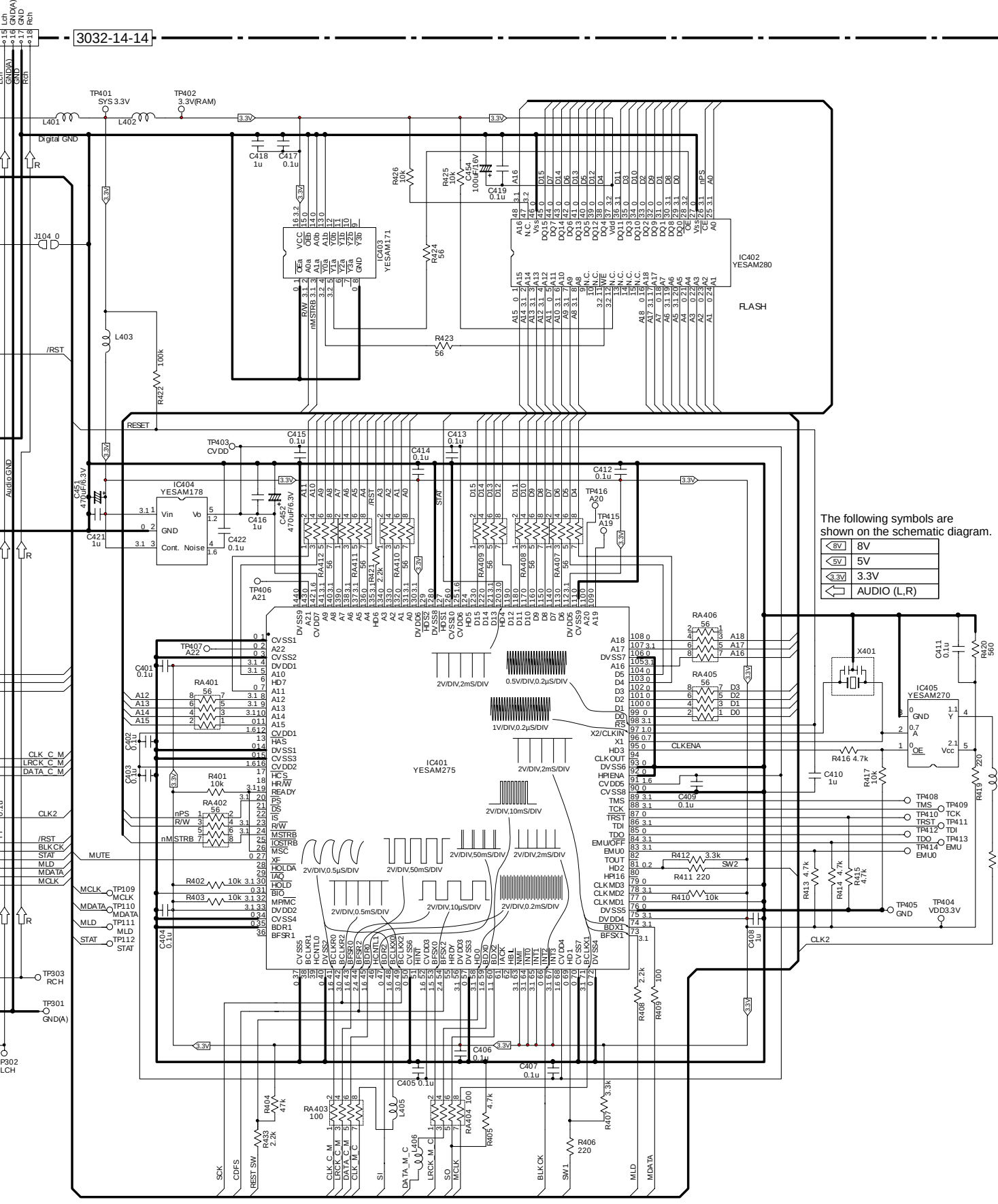



IC900
DISPLAY
CONTROL
IC900
C2CBJH000105
IC901
FLASH MEMORY
IC901
MBM29V114N
CN9031
CN902
FLASH.RESET
FLASH.CE
LCD.CS
LCD.R
LCD.WR
FLASH.WE
FLASH.OE/LCD.RD
LCD.RESET
FLASH.RY/BY
/RST
LED.B
LED.G
ROTARY.1(VOL UP)
ROTARY.2(VOL DOWN)
K1(ISOURCE)
REMO.INT
LED.ON
OE/RD
CE
3.3V
VDD3.3V
VDP
CQ-C7301N
DISP
To
LCD901

20.6. CD Servo Block



3032-14-14


TP401 SYS 3.3V
TP402 3.3V(RAM)
L401
L402
Digital GND
C418 1u
C417 0.1u
C419 0.1u
C454 100uF/16V
R426 10k
R425 10k
R424 56
R423 56
R422 100k
L403
/RST
RESET
IC402 YESAM280
FLASH
IC403 YESAM171
J104 0
TP403 CVDD
C415 0.1u
C414 0.1u
C413 0.1u
C412 0.1u
C451 470uF/6.3V
C452 470uF/6.3V
IC404 YESAM178
Vin
Vo
GND
Cont.
Noise
C416 1u
C422 0.1u
C421 1u
TP406 A21
TP415 A19
TP416 A20
STAT
The following symbols are shown on the schematic diagram.
8V
5V
3.3V
AUDIO (L,R)
TP407 A22
C401 0.1u
IC401 YESAM275
RA401 56
RA402 56
R401 10k
R402 10k
R403 10k
2V/DIV,2mS/DIV
0.5V/DIV,0.2μS/DIV
1V/DIV,0.2μS/DIV
2V/DIV,10mS/DIV
2V/DIV,0.5μS/DIV
2V/DIV,50mS/DIV
2V/DIV,0.5mS/DIV
2V/DIV,10μS/DIV
2V/DIV,0.2mS/DIV
RA406 56
RA405 56
CLKENA
X401
IC405 YESAM270
C411 0.1u
R420 560
R416 4.7k
C410 1u
R417 10k
C409 0.1u
R412 3.3k
SW2
R411 220
R410 10k
R413 4.7k
R414 4.7k
R415 4.7k
R419 220
L404
R441 100
C408 1u
TP408 TMS
TP409 TCK
TP410 TRST
TP411 TDI
TP412 TDO
TP413 EMU
TP414 EMU0
TP405 GND
TP404 VDD3.3V
CLK2
MUTE
MCLK
MDATA
MLD
STAT
TP109 MCLK
TP110 MDATA
TP111 MLD
TP112 STAT
TP303 RCH
TP301 GND(A)
P302 LCH
C404 0.1u
C405 0.1u
C406 0.1u
C407 0.1u
R404 47k
R43 2.2k
RA403 100
L405
L406
RA404 100
R405 4.7k
R407 3.3k
R406 220
R408 2.2k
R409 100
SCK
CDFS
REST SW
SI
SO
MCLK
SW1
BLK CK
MLD
MDATA
CLK_C_M
LRCK_C_M
DATA_C_M
CLK_M_C
LRCK_M_C
DATA_M_C